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CHARTER, CONSTITUTION

AND

BY-LAWS

OF THE

MARYLAND INSTITUTE

FOR THE

PROMOTION OF THE MECHANIC ARTS.

FORMED JANUARY 12TH, 1848—and INCORPORATED at December Session
of the Maryland Legislature, 1849.



BALTIMORE:
PRINTED BY SANDS & MILLS,
No. 128 Baltimore street.

1850.

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AND

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BY-LAWS

OF THE

MARYLAND INSTITUTE

FOR THE

PROMOTION OF THE MECHANIC ARTS, *Baltimore*

FORMED JANUARY 12TH, 1848—and INCORPORATED at December Session
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BY THE HOUSE OF DELEGATES, }
February 8th, 1850. }

Whereas, the Legislature of the State of Maryland has evinced a disposition to encourage Agricultural labor, and has, by the appointment of a State Chemist awarded to that branch of industry the advantage of its aid in discoveries promotive to its profitable pursuit;—and whereas, the improvement and extension of the Mechanic Arts equally deserve the countenance and patronage of the State, and are alike conducive to individual happiness and State prosperity. And whereas, acting under the influence of an enlightened spirit, the Legislature of Maryland at its December Session, 1829, by resolution No. 45, did contribute through its Treasury to the promotion of Mechanic Arts, which contribution was continued until by disasters the Maryland Institute, the then object of her bounty, ceased to exist. And whereas that Institute has been revived and is now in advance progress, and it is proper that its utility should be enlarged,—

Resolved by the General Assembly of Maryland, That the Treasurer of the State of Maryland be and he is hereby directed, to pay annually to the President of the Maryland Institute for the Promotion of the Mechanic Arts, within one month after said Institute shall have held its annual exhibition, the sum of five hundred dollars; *provided,* it shall be shown to the Treasurer that the said Institute is in efficient operation at the time of such payment.

By Order,

G. G. BREWER, Clerk,

Maryland, to wit :

Be it remembered, and we hereby certify, that the foregoing is a true copy of the resolution in favor of the Maryland Institute for the Promotion of the Mechanic Arts, which passed both branches of the General Assembly of Maryland, at December Session, 1849.

Given under our hands at the city of Annapolis, this 23d day of April, 1850.

GEORGE G. BREWER, Clerk House
Delegates Md.

JOS. H. NICHOLSON, Clerk Senate Md.

CHARTER.

AN ACT INCORPORATING the Maryland Institute for the Promotion of the Mechanic Arts.

Recd. 22/10/44

SECTION 1. Be it enacted by the General Assembly of Maryland, That the members of the Maryland Institute for the Promotion of the Mechanic Arts, and all those who shall hereafter become members, shall be, and are hereby incorporated and created a body politic, by the name, style and title of the "Maryland Institute for the Promotion of the Mechanic Arts;" and by that name shall have succession, and be able and capable in law to sue and be sued, to plead and be impleaded, in any court of record or elsewhere; to make, have and use a common seal, and the same at pleasure to alter or renew; to receive donations, gifts, grants, devices and bequests, or other conveyances of money, goods, chattles, effects, lands, tenements and estates, real and personal, and the same to hold, use, sell or otherwise dispose of, and convey, and generally to do all such acts, matters and things, as are or shall be necessary to carry into full effect the objects of the said corporation; provided always, that the property owned by said corporation shall not exceed in value one hundred and twenty thousand dollars.

SECTION 2. And be it enacted, That the members of the said corporation shall consist of Manufacturers, Mechanics, Artizans, and persons friendly to the Mechanic Arts, who shall hereafter be elected in such manner, and pay such sum annually, or in gross, or an annual or life subscription, as the Constitution or Bye-laws of the said corporation shall appoint and require: provided always, that two thirds of the board of Directors of said corporation shall be practical manufacturers or mechanics.

SECTION 3. And be it enacted, That the objects of the said corporation shall be the encouragement and promotion of manufactures and the mechanic and useful arts, by the establishment of popular lectures upon the sciences connected with them; by a formation of a school of design adapted to mechanical and manufacturing purposes; for providing a Library, Reading Room and a Cabinet of Minerals, Models and Mechanical Apparatus; for holding annual exhibitions or fairs for articles of American manufacture, and for offering premiums, or awards for excellence in those branches of national industry, deemed worthy of encouragement; by examining new inventions submitted for that purpose, and by such other means necessary for the accomplishment of their objects as experience may suggest.

SECTION 4. And be it enacted, That the affairs of the said corporation shall be conducted and managed by a President, a board of Directors, and by such other officers, and in such manner, as the constitution or bye-laws of the same shall authorise and provide; that such officers and directors shall be elected annually at a meeting of the said corporation to be held in the city of Baltimore on the second Wednesday in January; and that until the second Wednesday in January, in the year one thousand eight hundred and fifty one, the present Officers and Directors of the society, to wit: JOSHUA VANSANT, President; James Murray and Edward Needles, Vice Presidents; Samuel Sands, Recording Secretary; William Prescott Smith, Corresponding Secretary, Thomas J. Clare, Treasurer; and Josiah Reynolds, C. W. Bentley, John Feast, Jesse Marden, W. Abrahams, Thomas Trimble, William Rodgers, E. Whitman, Jr., D. M. Adams, William Bayley, C. Conway, Rob't Earrickson, Samuel McPherson, William Fergusson, Isaac Brown, H. R. Hazlehurst, John F. Davis, James Young, William Peters, John T. Fardy, Samuel E. Rice, William Robinson, Ephraim Larabee and B. S. Benson, Directors, shall conduct the affairs of the said corporation conformably to the Constitution and articles promised and agreed to by the members previous to the passage of this act.

SECTION 5. And be it enacted, That the duties and rights of the members of the said corporation, the power and functions of the

officers thereof, mode of supplying vacancies in office, the time of meeting of said Corporation and of the Board of Managers, the number which shall constitute a quorum at any such meeting, the mode of electing members, the terms of their admission, the causes which shall justify their suspension or expulsion from the corporation, and all other concerns of said corporation shall be regulated by the Constitution and Bye-laws of said corporation now existing, or hereafter to be made, which the said corporation is hereby authorised and empowered to make and alter in the manner which may be therein mentioned; provided, that said Constitution and Bye-laws shall not be repugnant to or inconsistent with the Constitution or Laws of the United States or of the State of Maryland.

SECTION 6. And be it enacted, That said corporation shall not issue any note, scrip or bill of credit to circulate as a currency.

SECTION 7. And be it enacted, That said act of incorporation shall inure for thirty years, and that the Legislature of Maryland reserves to itself the right to amend or repeal the same at pleasure.

We hereby certify that the foregoing is a true copy of the Original Bill which passed both branches of the General Assembly of Maryland at December Session, eighteen hundred and forty nine.

Given under our hands at the City of Annapolis, this fifteenth day of February, 1850.

GEORGE G. BREWER, Clerk House Delegates Md.

JOS. H. NICHOLSON, Clerk Senate Md.

OFFICERS FOR 1850.

PRESIDENT.

JOSHUA VANSANT.

Vice-Presidents.

JAMES MURRAY,
EDWARD NEEDLES.

Recording Secretary.

SAMUEL SANDS.

Corresponding Secretary.

W. PRESCOTT SMITH.

Treasurer.

THOS. J. CLARE.

BOARD OF MANAGERS.

JOSIAH REYNOLDS,
CHARLES W. BENTLEY,
JOHN FEAST,
JESSE MARDEN,
W. ABRAHAMS,
THO. TRIMBLE,
WM. RODGERS,
E. WHITMAN, Jr.,
C. CONWAY,
ROBERT EARRICKSON,
D. M. ADAMS,
WM. BAYLEY,

SAMUEL McPHERSON,
ISAAC BROWN,
H. R. HAZLEHURST,
JOHN F. DAVIS,
JAS. YOUNG,
WM. FERGUSON,
WM. PETERS,
JNO. T. FARDY,
SAML. E. RICE,
WILLIAM ROBINSON,
E. LARRABEE,
B. S. BENSON.

STANDING COMMITTEES.

On Exhibitions.

CHAS. W. BENTLEY, Ch'm.	THO. TRIMBLE,
THO. J. CLARE,	WM. ABRAHAMS,
JOSIAH REYNOLDS,	SAML. E. RICE,
B. S. BENSON,	W. PRESCOTT SMITH.
JESSE MARDEN,	

On School of Design.

JAMES MURRAY, Ch'm.	JAMES YOUNG,
ROBT. EARRICKSON,	WM. FERGUSON,
JNO. F. DAVIS,	WM. PETERS.
SAML. E. RICE,	

On Lectures.

EDW'D. NEEDLES, Ch'm.	WM. ROBINSON,
H. HAZLEHURST,	D. M. ADAMS,
W. PRESCOTT SMITH,	EPHRAIM LARRABEE.
SAM'L. McPHERSON,	

On the Library.

SAM'L. SANDS, Ch'm.	WM. BAYLEY,
WM. RODGERS,	ISAAC BROWN,
E. WHITMAN, Jr.,	C. CONWAY.
JNO. FEAST,	

PREAMBLE.

WHEREAS, the Mechanics, Manufacturers and Artizans of the State of Maryland, impressed with the importance of fostering the inventive genius of their countrymen, of exalting the character of the members of their respective professions, and of increasing the trade and business of the commercial mart of the State, have associated themselves together, and obtained a charter from the Legislature of Maryland, under the name and title of the "MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS." To accomplish the objects in view, they have made provision—

1st. For holding an Annual Exhibition, where Mechanics, Manufacturers, Inventors and Artists, and all who may have made any discoveries in the Arts and Sciences, may be enabled to exhibit the productions of their skill and ingenuity, in competition for the medals, diplomas, and other prizes which may be offered by the Institute for superiority.

2dly. For the formation of a School of Design, adapted to Mechanical and Manufacturing purposes, in which the members of the Institute may be taught the art of Drawing and Designing, a branch of education so necessary in every business and profession connected with the Mechanic Arts.

3dly. In the establishment of Popular Lectures, on subjects connected with Manufactures, Mechanics, and the useful Arts—and

4thly. In the formation of a Library and Reading Room, a Cabinet of Minerals, Models, and Philosophical and Mechanical Apparatus.

And in order to make the necessary provision for effecting these desirable purposes, in obedience to the requisitions of the Charter, they have established the following Constitution and By-Laws for their government.

CONSTITUTION.

ARTICLE I.—NAME AND OBJECT.

SEC. 1. This Association shall be known and designated as the “MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS.”

SEC. 2. The object of the Institute shall be the promotion and encouragement of manufactures and the mechanic and useful arts.

ARTICLE II.—MEMBERSHIP.

SEC. 1. Any person may become a member of the Institute in the manner hereinafter provided for in the by-laws.

SEC. 2. The members shall be divided into four classes, viz: Members, Junior Members, Life Members, Honorary and Corresponding Members.

SEC. 3. *Members* shall be over twenty-one years of age, and friendly to the objects of the Institute.

Junior Members shall be minors, not younger than fourteen years of age.

Life Members shall be such persons as pay twenty-five dollars to the Institute for life membership.

Honorary and Corresponding Members shall be persons of distinguished reputation, in connexion with the objects of the Institute.

ARTICLE III.—OFFICERS.

The Officers of the Institute shall be, a President, two Vice Presidents, a Recording Secretary, a Corresponding Secretary, a Treasurer, and a Board of Managers, twenty-four in number, two-thirds of whom shall be practical manufacturers or mechanics, residents of the city of Baltimore.

ARTICLE IV.—MEETINGS.

SEC. 1. The annual meeting of the Institute, for the election of officers, shall be held on the second Wednesday in April, and annually thereafter for the same purpose.

SEC. 2. In default of an election at the annual meeting, the existing officers shall continue in office until others are properly elected.

SEC. 3. At the annual meetings, the reports of the Treasurer and Board of Managers shall be read.

SEC. 4. Special meetings shall be called by the President, on application of the Board of Managers, or at the written request of twelve members.

SEC. 5. Monthly meetings of the Institute shall be held on the second Wednesday of each month.

SEC. 6. At the monthly meetings, the ordinary business of the Institute shall be transacted, and the election of members shall take place.

SEC. 7. Honorary and corresponding members shall be elected by the Board of Managers, who shall report such election to the next stated meeting of the Institute.

ARTICLE V.—QUORUM.

SEC. 1. Any fifteen members present at the time and place appointed for holding the annual, special, stated and adjourned meetings, shall constitute a quorum for the transaction of the ordinary business of the Institute, but at annual meetings thirty members present shall be required for the election of officers.

SEC. 2. All business shall be considered ordinary, except a proposition to dissolve the Institute, which shall be considered extraordinary, and shall require a majority of all the members to constitute a quorum for its consideration.

SEC. 3. Notice of extraordinary business shall be given at least three months previous to that in which it is to be discussed.

SEC. 4. At all stated meetings of the Board of Managers, seven members shall constitute a quorum for the transaction of business.

ARTICLE VI.—CONTRIBUTIONS.

SEC. 1. Members, on their election, shall pay to the Treasurer

an initiation fee of two dollars, and an annual subscription of three dollars.

SEC. 2. Junior members, on their election, shall pay to the Treasurer an initiation fee of one dollar, and an annual subscription of one and a half dollars, payable in the same manner as above stated. Junior members shall be entitled to all the benefits of the Institute, except voting.

ARTICLE VII.—ELECTIONS.

SEC. 1. No member shall be entitled to vote if in arrears with his subscription; and in no case shall members be entitled to the benefits of the Institute, unless they have complied with all the requirements of the constitution and by-laws.

SEC. 2. All nominations of elective officers must be made at least one month previous to the time of election; nevertheless, nominations may be made on the night of the election, provided a majority of the members present concur in a motion to that effect. An election to fill vacancies caused by death, resignation or otherwise, may be had at any stated meeting of the Institute.

SEC. 3. All officers of the Institute shall be elected by ballot; and in case of a plurality of candidates, the lowest shall be withdrawn after each ballot succeeding the third.

SEC. 4. The presiding officer shall have no vote while in the chair, except in case of a tie, of an election by ballot, or when the yeas and nays are called.

ARTICLE VIII.—MANAGEMENT.

The Board of Managers shall have the management of the funds of the Institute, and of all matters of finance connected therewith, and shall employ its revenues on the following objects, viz:

First. In providing an annual Exhibition or Fair of manufacturing and mechanical industry, to be held in the city of Baltimore.

Second. In the formation of a School of Design, adapted to mechanical and manufacturing purposes.

Third. In the establishment of popular Lectures, on subjects connected with manufactures, mechanics, and the useful arts.

Fourth. In the formation of a Library and Reading Room, a Cabinet of Minerals, Models and Philosophical and Mechanical Apparatus.

ARTICLE IX.—INCOMPETENCY OR UNFAITHFULNESS.

SEC. 1. Officers found incompetent for, or unfaithful in the discharge of their duties, may be removed by a vote of a majority of the members present at any regular or stated meeting.

SEC. 2. The Board of Managers may, and they are hereby authorised to declare the seat of any of their number vacant after an absence from the Board for three consecutive stated meetings, and report the same to the Institute. The Institute may fill the vacancy, in the manner hereinbefore provided.

ARTICLE X.—BY-LAWS AND RULES OF ORDER.

By-laws and rules of order for the government of the Institute, and prescribing the duties of the officers, may be made or amended at any stated or special meeting, provided two-thirds of those present concur.

ARTICLE XI.—ALTERATION OF THE CONSTITUTION.

To alter or amend this constitution, notice shall be given at any stated meeting of the Institute, stating the intended amendment; but it shall not be acted upon until the next or any subsequent meeting.

BY-LAWS.

ARTICLE I.—MEETINGS.

The meetings of the Institute shall be opened in November, December, January and February, at 7 o'clock; in March, April, September and October, at 7½; and in May, June, July and August, at 8 o'clock.

ARTICLE II.—MEMBERS.

SEC. 1. Persons who have been elected by the Institute shall sign their names to the constitution, and pay the initiation fee, before they shall be considered full members.

SEC. 2. The annual contribution of members shall become due and payable on the first day of October, in each and every year.

SEC. 3. No resignation of membership shall be accepted until all arrearages and dues are paid.

SEC. 4. Members, on paying their yearly dues, shall, in the first place, receive a certificate of membership, signed by the President and Treasurer; and annually thereafter, the Treasurer's receipt shall be valid against any claim of the Institute for that year.

ARTICLE III.—DUTY OF THE PRESIDENT.

SEC. 1. It shall be the duty of the President to preside at all meetings of the Institute, and also of the Board of Managers, enforce a due observance of the constitution and by-laws, see that all officers and committees perform their respective duties, appoint all committees and officers not otherwise provided for, inspect and announce the result of all balloting or other votes, and direct the Secretary to call special meetings when application is made in accordance with the constitution. He shall sign all orders on the Treasurer passed by the Board, and none others, and perform all other duties devolving upon the President, under the constitution and by-laws.

SEC. 2. In the absence of the President, one of the Vice Presidents in order shall preside ; and in the absence of all these, a President *pro tem.* shall be chosen, who shall be invested with all the powers of the President.

ARTICLE IV.—DUTY OF THE RECORDING SECRETARY.

The Recording Secretary shall keep a fair and impartial record of the proceedings of the meetings of the Institute, and of the Board of Managers ; he shall give notice of the stated and special meetings, both of the Institute and Board ; he shall also keep a correct roll of all the members, alphabetically arranged, and notify resident members of their election. All books under his charge shall be subject to the examination of the members of the Institute. He shall attest to all monies ordered to be paid by the Board of Managers, and none other. He shall, on all occasions, notify all committees of their appointment, and furnish the chairman of each committee with so much of the proceedings as relate to the object for which they were appointed, and perform all other duties that may be required of him by the Institute.

ARTICLE V.—DUTY OF THE CORRESPONDING SECRETARY.

The Corresponding Secretary shall answer all letters addressed to the Institute ; shall open and maintain such correspondence as may tend to advance its interests, under the direction of the Board of Managers, and keep a record thereof, which record shall be open to the examination of the members. He shall acknowledge the reception of all donations to the library, cabinet, &c., and shall notify their election to all honorary and corresponding members.

ARTICLE VI.—DUTY OF THE TREASURER.

SEC. 1. The Treasurer shall receive all monies of the Institute, and safely keep the same in such place and manner as the Board of Managers may direct ; he shall make no payments without written vouchers from said Board, attested by the signatures of the President and Secretary ; he shall keep full and accurate accounts of his receipts and disbursements, and shall exhibit a true statement thereof at the stated meetings of the Institute, and to the Board of Managers, whenever called on to do so.

SEC. 2. He shall deposit, in such bank as the Board of Managers may direct, all monies received by him over and above \$50, and shall, at every regular meeting, lay before the Board of Managers his bank book, and book of receipts and expenditures.

SEC. 3. He shall draw no money from bank except by check, signed by himself, and countersigned by the President or Recording Secretary.

ARTICLE VII.—DUTY OF THE BOARD OF MANAGERS.

SEC. 1. All the officers of the Institute shall be ex-officio members of the Board of Managers.

SEC. 2. It shall be the duty of the Board, as soon after their election as possible, to elect the following committees, viz: Committee on Exhibitions, to consist of nine; Committee on School of Design, to consist of seven; Committee on Lectures, to consist of five; Committee on Library, to consist of five; and also a Librarian.

SEC. 3. The Board of Managers shall have charge of all matters of finance, and the various concerns of the Institute, which may not otherwise be provided for, with authority to devise and execute all measures which, in their judgment, may advance its interests—reporting the same at the next stated meeting of the Institute, for its sanction.

SEC. 4. The Board shall keep regular minutes of their proceedings, in a book prepared for that purpose.

SEC. 5. The Board shall hold regular stated meetings of their own body once in each month. They shall enact such rules and regulations, for their own government, as they may deem requisite.

SEC. 6. Seven of their number shall constitute a quorum, at any stated meeting, for the transaction of business; but at any special meeting, thirteen members shall be necessary for a quorum.

ARTICLE VIII.—DUTY OF THE COMMITTEE ON EXHIBITIONS.

It shall be the duty of this Committee to make all the necessary arrangements for holding the annual exhibitions, at such time and place as the Board may designate. They shall have power to make all necessary contracts and disbursements, to carry out fully the object of the Institute in holding the Exhibition. They shall

have prepared such gold and silver medals, diplomas, or other awards, as the Board may direct, as premiums for the best first, second and third class American productions, to be awarded by competent and impartial judges. They shall nominate, subject to the approval of the Board of Managers, judges on the several classes, and as soon after the opening of the Exhibition as possible, classify the articles exhibited, and afford the judges the best opportunity for their examinations.

ARTICLE IX.—DUTY OF COMMITTEE ON SCHOOL OF DESIGN.

It shall be the duty of the Committee on School of Design to make the necessary arrangements for opening the same, on the second week in November, and continue open four months. They shall employ a competent teacher to take charge of the School; they shall have the entire control thereof, and be personally present, as much as possible, during the session.

ARTICLE X.—DUTY OF THE COMMITTEE ON LECTURES.

It shall be the duty of the Committee on Lectures to make arrangements for a course of lectures, to commence the second week in November, to be delivered at such times and place as they may determine.

ARTICLE XI.—DUTY OF THE COMMITTEE ON THE LIBRARY.

It shall be the duty of the Committee on the Library to purchase all suitable books, maps, &c., to the extent of the funds appropriated. They shall see that the Librarian performs the duties required of him. They shall make such rules and regulations, for the government of those who visit the library rooms, as they may deem expedient and proper. They shall see, from time to time, what books are out of order, or require re-binding, and have the same put in order. They shall, as circumstances may require, appoint or re-appoint a Librarian, subject to the approval of the Board of Managers.

ARTICLE XII.—DUTY OF THE LIBRARIAN.

It shall be the duty of the Librarian to take charge of the rooms of the Institute, keep them in proper and comfortable order for the use of the members, and open the same at such hours as the Board

of Managers may direct. He shall have charge of the library, of the cabinet of minerals, models, philosophical and mechanical apparatus, &c., and be responsible for the safe keeping of the same. He shall perform all other duties required of him by the Committee on the Library, or the Board of Managers.

ARTICLE XIII.—CONTRIBUTIONS.

SEC. 1. No member of the Institute shall be entitled to vote if in arrears with his subscription; and any member whose subscription shall remain unpaid six months after the same shall have been due, shall forfeit his membership, and shall not again be eligible until all arrears are paid.

SEC. 2. No resignation of membership shall be accepted until all arrearages and dues are paid. No member shall be entitled to vote for officers, or attend any exhibition, course of lectures, or the school of design, who is in arrears to the Institute.

ARTICLE XIV.—ELECTIONS.

In all elections for officers of the Institute, a majority of the whole number of votes cast shall be necessary for a choice.

ARTICLE XV.—BY-LAWS AND RULES OF ORDER.

SEC. 1. Any alteration, amendment or addition to these By-Laws shall be submitted, in writing, to one meeting, and acted on at the next stated meeting, when, if a majority vote for it, it shall be adopted, and become part of the by-laws of the Institute; or it may be passed at the meeting wherein it was proposed, provided it receive the vote of three-fourths of the members present.

SEC. 2. No Rule of Order shall be amended or repealed, nor shall any additions be made thereto, unless a proposition for that purpose be presented, in writing, at least one meeting previous to the consideration thereof, when, if two-thirds of the members present voting agree thereto, it shall be adopted; but a rule of order may be suspended at and for any meeting, by a two-third vote.

RULES OF ORDER.

RULE I.

The following shall be the order of business at each meeting of the Institute :

1. The President shall take the chair at the appointed hour, and call the meeting to order.
2. The minutes of proceedings of the last preceding meeting read and considered, except at special meetings, when the business for which the Institute was convened shall be first in order.
3. Same as to minutes of special meetings.
4. Proposal of candidates for membership, and election of the same.
5. Reading of correspondence.
6. Announcement of donations.
7. Report of Board of Managers, Treasurer, &c. read and considered.
8. Reports of special committees read and considered.
9. Disposition of deferred or unfinished business.
10. Resignations considered.
11. New business.

RULE II.

Should the foregoing order of business not be completed at any one meeting of the Institute, the order shall be resumed at the next meeting, where it stopped at the previous meeting, except that the first five branches of the foregoing order shall be called at each meeting.

RULE III.

The President, while presiding, shall state every question coming before the Institute, before suffering debate thereon, and, immediately before putting it to vote, shall ask, "Is the Institute ready for the question?"

RULE IV.

When the decision of the President on points of order is appealed from, he shall state his decision, and his reasons therefor, from the chair. The party appealing shall then briefly state the reason for his appeal. After which, without further debate, the question shall be put thus, "Shall the decision of the chair stand as the judgment of the Institute?"

RULE V.

Every member, while speaking, shall confine himself to the question under debate; and avoid all personality and indecorous language.

RULE VI.

Should two or more members rise to speak at the same time, the chair shall decide who shall have the floor.

RULE VII.

No member shall disturb another in his speech, except to call him to order.

RULE VIII.

If a member, while speaking, shall be called to order, at the request of the chair he shall cease speaking, and take his seat until the question of order is determined, when, if permitted, he may again proceed.

RULE IX.

No member shall speak more than once on the same question until all the members wishing to speak shall have an opportunity so to do, nor more than twice, without permission of the chair.

RULE X.

All resolutions shall be reduced to writing before the President shall state the same to the Institute.

RULE XI.

When a blank is to be filled, the question shall be taken first upon the highest sum or number, and the longest time proposed.

RULE XII.

Any member may call for a division of a question when the sense will admit of it.

RULE XIII.

When a question is before the Institute, no motion shall be received, unless to adjourn, to take the previous question, to lay on the table, to postpone indefinitely, to postpone to a definite time, to refer, or to amend; and they shall have precedence in the order herein arranged, the first four of which shall be decided without debate.

RULE XIV.

If a motion to adjourn be adopted, and the Institute has not previously resolved on the adjournment, to meet at a particular period, the effect of the motion shall be to adjourn to the next succeeding regular meeting.

RULE XV.

The motion to take the previous question, may be made by any two members, and shall be put in this form, "shall the main question be now taken?" and if adopted, the effect shall be to take the question on the original resolution, embracing the amendments already offered, to the exclusion of all debate.

RULE XVI.

The effect of the motion to lay upon the table, if adopted, shall be to prevent the question being taken up again on the same evening without a two third vote.

RULE XVII.

No resolution which has been rejected or indefinitely postponed, shall be renewed at the same meeting, unless reconsidered as provided for in the 18th rule.

RULE XVIII.

All votes, other than on amendments to the By-Laws or Rules

of Order, may be reconsidered at the same or next regular meeting, upon a motion made and seconded by two members who voted in the majority, provided the Institute agree thereto ; but after a motion to reconsider has once been lost, it shall not be renewed.

RULE XIX.

Every member present shall vote on all questions before the Institute, unless incapacitated under the provisions of the constitution and By-Laws.

RULE XX.

A motion to excuse a member from voting shall be put without debate.

RULE XXI.

When a motion has been declared carried or lost by the usual manner of voting, any member, before the Institute proceeds to other business, may call for a count, but the yeas and nays cannot be called unless demanded by a majority of those present.

RULE XXII.

All reports of committees shall be in writing, and when read to the Institute, shall be considered as accepted, without a vote, unless objection be made thereto.

RULES OF ORDER

FOR THE GOVERNMENT OF THE

BOARD OF MANAGERS.

1st. The times of Meeting of the Institute, shall govern the meetings of the Board.

2d. The President of the Institute shall be Chairman of the Board, and in his absence a chairman pro tem. shall be chosen.

3d. Seven members shall constitute a quorum at all stated meetings—but at other meetings a majority shall be necessary.

4th. At the appointed hour of stated meetings, the chairman shall call the Board to order, when the roll shall be called, and all absentees fined $12\frac{1}{2}$ cents.

5th. Members who shall appear within ten minutes after roll call, shall be exempt from fine—all others appearing after that time shall be fined $6\frac{1}{4}$ cents.

6th. The first business after roll call shall be the reading and approval of the proceedings of the previous meeting—then Unfinished Business—Correspondence—Donations—Reports of Standing Committees—Reports of Special Committees—and New Business.

7th. No member shall speak more than twice on any subject, nor longer than 5 minutes at any one time, without special permission of the Board.

8th. When a member is addressing the chair on any subject, the members shall observe silence.

9th. When a subject is under consideration no motion shall be made, but to adjourn, lie on the table, postpone, to amend, or the previous question.

10th. A motion for the previous question, to adjourn, or to lie upon the table, shall always be taken without discussion. •

11th. In voting on any question, the chairman shall always give the casting vote, if there is a tie.

12th. The funds collected for fines shall be safely kept by the chairman, and the board shall, at its last meeting previous to a new election, dispose of them as it may please to determine.

13th. Absence from the city, or personal or family sickness shall be a sufficient excuse for non-attendance.

MEMBERS OF THE INSTITUTE

For 1850.

A.

Adams, D. M.
Anderson, Jas. M.
Ayers, John C.
Andrews, Geo. W.
Abbott, E. A.
Armitage, Jas.
Anderson, Thos. D.
Adams, Joshua
Abrahams, Woodward
Anderson, Wm. Jr.
Audoun, Lewis
Adams, John C.
Addison, Samuel S.
Abbott, Horace
Amos, James
Amos, Corbin
Abrahams, W.
Armstrong, J.
Alnutt, Jos. W.
Ames, Wm. F. Jr.
Armor, Jos. J.
Adair, John
Atwell, R. H.
Ashton, Wm. C.
Addison, Geo. C.
Achey, Charles F.
Albaugh, Henry C.

B.

Ballman, Wendell
Bull, Isaac

Brown, Jehu
Baker, F. S.
Ballard, Thos. J. Jr
Boyd, Wm. A.
Bargar, Deter
Bishop, Richard
Bayley, Wm.
Bryson, James
Barnes, John H.
Bonn, Josiah
Ballard, S. E.
Bolton, Hugh
Boyd, Wm. Jr.
Burgess, Benj. F. Jr.
Baynes, John B. Jr.
Blass, Wm. H.
Browning, John W.
Beacham, John S.
Boyd, J. Howard
Brown, Geo. L.
Brown, Jas. L. Jr.
Brogden, Jas. Jr.
Brummel, Augs. O. Jr.
Bentley, Chas. W.
Brown, Isaiah
Boyd, Samuel
Benson, Benj. S.
Brown, Isaac
Banks, Samuel B.
Balderston, Jacob
Balderston, Wilson
Baylis, Jas. R.
Bartlett, D. L.
Brotherton, Jas. P.

Ball, Jas. H.
 Bateman, Wm. L.
 Bridges, Wm.
 Barnes, John H.
 Brooks, John
 Baughman, Francis M.
 Brown, Wm.
 Biddle, Peregrine
 Baruech, J. W.
 Bierbower, L.
 Brown, John S.
 Buck, John Jr.
 Bradford, Geo. P.
 Burrows, Jacob
 Browning, Wm. S.
 Belt, T. H. Jr.
 Baylow, L.
 Bandel, Geo. L.
 Butler, Samuel
 Bruce, Jas. A.
 Bayley, H. J.
 Brown, Chris. F.
 Broadbeck, Wm.
 Bandel, Grafton Jr.
 Brummell, August C.
 Brookhart, R. A.
 Brunner, James

C.

Clare, Thomas J.
 Cox, John R.
 Coles, William
 Clampitt, Elias
 Conradt, T. M.
 Cariss, Sampson
 Cloud, C. F.
 Cross, R. J.
 Campbell, A. D.
 Champness,
 Cornell, Michael
 Cortlan, James
 Curlett, John Jr.
 Coleman, Chester
 Carson, James F.
 Chesnut, Wm.

Conradt, J. G.
 Conaway, C.
 Corbitt, Emanuel Jr.
 Cole, Wm. P.
 Curlett, John
 Cole, Nathan
 Caldwell, Wm. Q.
 Clark, Levin P.
 Child, Samuel
 Cohen, Jacob J.
 Crawford, William
 Cleveland, A. A.
 Coulton, Thos. B. Jr.
 Clendinen, Robert
 Cook, John F.
 Craft, John W.
 Caskey, Robert
 Craft, John W.
 Coppuck, James
 Cassard, Francis W.
 Cathcart, Wm. H.

D.

Denmead, Adam
 Dennis, Jonathan Jr.
 Davis, Willis
 Doten, Orlando N.
 Denmead, Francis Jr.
 Dodge, Geo. R.
 Daffin, Benjamin
 Daniels, Walter
 Denmead, Talbott
 Donaldson, S. S.
 Dixon, Thos.
 Dunlap, Charles
 Davis, Geo. A.
 Devalin, Hugh
 Davis, Alex. McD.
 Duvall, A.
 Davis, John F.
 Davis, Wm. H. Jr.
 Duncan, H. W.
 Dushane, Nathan
 Dugan, Henry Jr.
 Duhurst, Peter

Dushane, John A. Jr.
 Dugan, Henry
 Dushane, John A.

E.

Eckelmann, H. S.
 Earickson, Thomas
 Earickson, Robert
 Ellicott, B. H.
 Erhman, John
 Emich, Daniel Jr.
 Earickson, Vincent O. Jr.
 Eisenbrandt, C. H.
 Emery, John B.
 Earickson, Thos. B. Jr.
 Eastman, H. W. Jr.
 Easter, Robert A.

F.

Furgusson, Wm.
 Fussell, Jacob Jr.
 Fardy, John T.
 Fouse, Jacob M.
 Furgusson, W. B.
 Feast, John
 Flannagan, Andrew
 Finney, C. McLane Jr.
 Fulton, Thos. H.
 Fulton, L.
 Fowler, Francis
 Ford, C. W.
 Fales, Nathan
 Fisher, Francis A.

G.

Gore, Amos
 Gardner, James
 Gardner, Alfred
 Green, Henry
 Grape, Jacob
 Gelston, Hugh
 Golder, Jas. C.
 Green, Jacob

Gilmer, Robert Jr.
 Gatch, Conduce
 Gwynn, Robert
 Gorsuch, John
 Gaehle, Henry
 Gould, James
 Gates, Ezra
 Gambrill, Horatio N.
 Griffith, G. S.
 Gill, Jabez
 Gilmor, J. D.
 Gott, Thos. Jr.
 Gunda, Jacob, Jr.
 Gilpin, James S.
 Gaehle, Henry, Jr.
 Gardner, W. G. Jr.
 Glenn, Samuel, Jr.
 Gibbs, James W. Jr.
 Gable, John
 Gill, Noah
 Griffith, Jeffrey M.
 Gardner, W. G.
 Glenn, Samuel
 Gibbs, James W.
 Gable, John
 Grice, Edward L.

H.

Henderson, Wm.
 Holland, John C.
 Hooper, Robert
 Hack, Richard S.
 Hilderbrandt, Wm. Jr.
 Hunt, G. H. Jr.
 Holtzman, John D. Jr.
 Hunt, Thos. H.
 Hinds, Samuel
 Herzof, John Jr.
 Hilderbrandt, Herman
 Holloway, Chas. Jr.
 Hannan, John Jr.
 Hughes, C. H. Jr.
 Holtzman, E. K. Jr.
 Holt, Enoch Jr.
 Heath, F. W.

Hunt, Jesse
 Hollins, R. S.
 Harrison, Joseph O.
 Hazelhurst, H. R.
 Hudson, David W.
 Hoss, John F.
 Haskell, John H.
 Hays, Samuel J.
 Hiss, Wm. H.
 Hubball, E. Jr.
 Hull, Wm.
 Hook, R. W.
 Harris, Samuel
 Hunt, Isaac
 Hoover, J. S. D. Jr.
 Hays, Robert
 Horn, Mathew
 Holden, E. P.
 Hinks, Charles D.
 Hill, John H.
 Hibbard, Israel
 Hogg, Wm.
 Heaton, H. H.
 Hillen, Sol. Jr.
 Hindman, William
 Hardesty, John
 Hardtner, John
 Heron, James A.
 Hawkins, Charles

J.

Johnson, Franklin
 Jacobs, James M.
 Jenkins, J. W.
 Irons, Edwin
 Johnson, W.
 Johnson, W. R. Jr.
 Jones, Wm. Jr.
 Johannes, J. H.
 Jenkins, Geo. A.
 Jeffreys, Thos.
 Joekel, Conrad
 Jackson, Peter Jr.
 Jenkins, H.
 Jarrett, A.

K.

Kemp, Jos. F.
 Kennedy, Wm.
 Kelly, Joshua C.
 Kennedy, J. P.
 Knight, Nathaniel
 Krebs, G. W.
 Kennedy, Wm.
 Kessler, John S. Jr.
 King, Wm. H. Jr.
 Keener, Chas. Jr.
 Kesmodel, M. J. Jr.
 Kirk, C. H. Jr.
 Knabe, Wm.
 King, Glendy
 Kelly, Joseph
 Knotts, James A.
 Kehlenbeck, Henry W.

L.

Lawton, John L.
 Loud, Joseph E.
 Linton, Wm.
 Latrobe, J. H. B.
 Lucas, F. Jr.
 Larrabee, Ephraim
 Lovegrove, T. J.
 Lee, S. S.
 Lycett, Edward L.
 Lucas, John
 Larrabee, H. C. Jr.
 Lucas, Thos. Jr.
 Leslie, Robert
 Lovegrove, James
 Logan, H. M.
 Lesley, C.
 Lambdin, W. G. Jr.
 Loney, W. A.
 Leach, Geo. T.
 Lovejoy, Samuel A. Jr.
 Larrabee, E. W.
 Lebrathwaite, John L.
 Lamb, Thomas P.
 Latrobe, Benjamin H.

M.

Matthiot, A. B.
 Murray, Wm. Jr.
 Morris, Chas. T.
 McCauley, W. L.
 Murphy, John
 McPherson, James
 Meredith John F.
 Metz, Richard Jr.
 Merchant, Joseph
 Martin, David
 Matthews, Samuel H. Jr.
 Moore, Wm. W.
 Magne, H.
 Mayger, Richard
 Maughlin, Wm. M.
 Miller, Wm. H. Jr.
 Martin, John
 Matthews, Thos. J.
 Millholland, R. D. Jr.
 Miller, John P.
 McKim, John S.
 Miller, James
 Murdock, Richard
 Mathews, Thomas
 Musgrave, James
 Merriam, Wm. W.
 Marley, Richard
 Middleton, R. H.
 Motter, Theodore
 Musser, W. R. Jr.
 Miller, Horatio
 Mitchell, E. T.
 Marden, J. Jr.
 Mills, S. S.
 Middleton, J. W.
 Middleton, Robert Jr.
 McShane, H. Jr.
 Mills, Franklin Jr.
 Mayger, R. R. Jr.
 Merker, Wm. A. Jr.
 Minnifee, Wm.
 McMullen, John
 Martin, Samuel
 Mathiot, George

Mullen, P. H.
 Millholland, James
 McPherson, Samuel
 Murray, James
 Miller, Enoch
 Marden, Jesse
 Murray, James
 Miller, Wm.
 McKim, Wm.
 McKim, Haslett
 Mause, R. C.
 Morgan, C. C.
 Millikin, James H.
 Merrill, James H.
 Mohler, Edward
 Matthews, Joseph
 Mullen, Thomas Jr.
 Manning, J. C.
 Morris, George W.
 McCullum, Hugh
 Mayger, Richard
 Merker, Wm. A.
 Mark, Jacob J.
 Miles, Samuel
 Mahaney, John

N.

Needles, Edward
 Needles, E. M.
 Newman, W. W.
 Neilson, James C.
 Ninde, James C.
 Needles, Charles E.
 Numsen, Peter
 Neely, R. W.

O.

Ogle, Charles
 Ogden, Major C. A.
 Odell, James H.
 Oler, Wm. H.
 Olhaber, C.
 Onion, Edward W. Jr.

P.

Peddle, Cornelius

Phelps, J. B. T. Jr.
 Pennington, J.
 Paine, Allan
 Parker, Nathan
 Pratt, Wm.
 Perine, Maulden
 Pope, Geo. A. Jr.
 Phillips, J. T. Jr.
 Price, John H. Jr.
 Patten, Charles Jr.
 Phillips, Isaac
 Pope, Daniel F. Jr.
 Phillips, Isaac
 Pope, Daniel F.
 Peters, Wm. C.
 Phillips, James

Q.

Quail, G. K.

R.

Rowe, Spencer W. Jr.
 Roach, George J.
 Rodgers, John
 Reynolds, Josiah
 Robinson, G. W.
 Robinson, J. S.
 Robinson, E. W.
 Robinson, Wm.
 Rodgers, Wm.
 Reasin, Wm. H.
 Rodgers, H. J.
 Rouselot, Charles Jr.
 Russell, James
 Rodgers, George H.
 Rodgers, Evans
 Rice, Samuel E.
 Rea, Adam
 Reynolds, Henry
 Reynolds, Jesse K.
 Rhodes, Zachariah
 Reese, J. W.
 Reeder, Charles
 Russell, Wm.
 Rodenmayer, John

Reip, Alfred H.
 Reintz, Christ.
 Reese, Wm.
 Rich, Wm. Jr.
 Robb, E. T. Jr.
 Rodgers, Wm. F. Jr.
 Rose, Henry C. Jr.
 Reese, Henry Jr.
 Reynolds, Israel C.
 Rodenmayer, F. T.
 Roter, Frederick A.
 Rose, Henry
 Reese, Henry
 Reynolds, Israel C.
 Rodenmayer, Francis T.
 Roter, Fred. A.
 Richtien, J. C.
 Rusk, T. Jefferson

S.

Stapleton, Joseph H.
 Smith, Samuel
 Sanders, J. M.
 Scott, F. J.
 Slaney, J. M. Jr.
 Stabler, Edward H.
 Shannon, J. P.
 Sands, Samuel
 Smith, W. P.
 Stewart, W. D.
 Scott, Thomas R.
 Stapleton, R. E.
 Stokes, Isaiah
 Smull, David B.
 Stansbury, Elijah
 Swain, J. H.
 Stewart, C. J.
 Spear, Wm.
 Shannon, L. W.
 Smith, Francis
 Seger, J. H.
 Shoemaker, W. S.
 Stevens, S. S.
 Shriver, J. A.
 Sisson, Hugh

Snowden, Henry
 Slicer, Wm.
 Skinner, John
 Suter, James S.
 Smith, Asa Jr.
 Shipley C. E. Jr.
 Sexton, S. B.
 Scott, J. B. L.
 Slack, Josph H.
 Snyder, J. H.
 Stall, Wm.
 Smith, Wm. H.
 Seager, Thomas
 Stocket, James T.
 Sanders, John Jr.
 Shew, Jacob
 Stewart, Joseph W.
 Suter, Charles
 Stump, T. B. C. Jr.
 Shriver, Francis
 Shoemaker, J. H.
 Small, George
 Shaffee, F. L.
 Stow, Thomas Jr.
 Slicer, E. A.
 Sides, H. C.
 Sykes, James
 Stewart, John
 Sitler, Isaac W.
 Spencer, G. F.
 Stabler, Francis
 Stone, J. H.
 Stran, Wm. H.
 Shack, George W.
 Share, Richard
 Sparhawk, S.
 Simms, Joseph
 Smith, B. E.
 Starr, Benj. F.
 Smith, Jas. B.
 Suter, John
 Shepherd, Moses
 Schoolfield, L. A.
 Steer, Lewis Jr.
 Shipley, Charles E.
 Sexton, S. B.

Scott, John B. L.
 Slack, Joseph H.
 Schmidt, William
 Stevenson, Dr.
 Snyder, J. H.

T.

Thompson, Samuel
 Townsend, Samuel
 Thomas, Joseph Jr.
 Thomas, Joseph Sen.
 Thomas, Joseph B.
 Thomas, Jacob B. Jr.
 Trimble, Thomas
 Tyson, Isaac
 Tarlton, Wm. A.
 Thomas, Johnson P.
 Troxell, T. F.
 Torney, P. J.
 Tegmeyer, J. H.
 Tyson, Henry
 Tucker, J. H.
 Trimble, Samuel
 Trayser, P. P.
 Trump, Charles
 Trump, Newbold Jr.
 Tilden, Thomas E.
 Taylor, Robert Q.
 Tough, John S.
 Thomas, Sterling
 Tarr, Edwin S.
 Tucker, Samuel L.
 Turner, John C.
 Tyler, G. C.
 Tall, William
 Taylor, William S.
 Turner, Joshua M.
 Trott, Wm. H. Jr.
 Taylor, Samuel G. Jr.
 Trotten, Thomas
 Trump, Michael Jr.
 Tishmeyer, L.
 Thompson, E. G. Jr.
 Taylor, Wm. J. Jr.
 Taylor, Wm. S. Jr.

Townsend, W. D. Jr.

Tarr, T. M.

V.

Vansant, Joshua

Vails, Benjamin

Vansant, T.

W.

White, Thomas P.

Whistler, George W. Jr.

Wysong, Wm. A.

Wiesenfield, Moses

Watkins, J. Wesley

Walsh, Wm. H.

Witman, George

Waite, R. C.

Wright, Joel

Wilson, Robert

Wells, John

Winchester, Wm.

Wilson, B. H.

Webb, Charles

Wise, M.

Webb, Geo. W.

Woody, R. H.

Whitman, E. Jr.

Winans, Ross

Wethered, John

Wise, J. J.

Wade, John

Welsh, John

Woodcock, Jesse

Woodcock, John R. Jr.

Wright, W. E.

Watts, G. D. H. Jr.

Wilson, John H.

Washington, James H.

Wickersham, John

Wilson, Samuel

Warner, A. E. Jr.

Williams, J. J.

Whitmarsh, G.

Wright, Wm.

Wheeler, Jas. C.

Wood, Thos.

Walker, N. D. Jr.

Wheeler, Wm. T. Jr.

West, Charles

Washington, John

Wallace, R. D.

Watson, James T.

Y.

Young, James

Young, John

Young, Joshua

ROOMS OF THE INSTITUTE,

NORTH-EAST CORNER OF NORTH AND FAYETTE STREETS,
OVER THE POST OFFICE.

71/
M252
CHARTER,

CONSTITUTION

AND

BY-LAWS

OF THE

1/
MARYLAND INSTITUTE,

FOR THE

PROMOTION OF THE MECHANIC ARTS;

TOGETHER WITH A LIST OF ITS MEMBERS, JUNIOR MEMBERS, LIFE MEMBERS,
HONORARY MEMBERS, &c. &c.

TO WHICH IS ADDED:

THE ADDRESS BY S. TEACKLE WALLIS, ESQ.

AN HONORARY MEMBER OF THE INSTITUTE,

Delivered at the Laying of the Corner Stone of the Hall, on the 13th
March, 1851.

FORMED JANUARY 12th, 1848—and INCORPORATED at December Session of
the Maryland Legislature, 1849.

BALTIMORE:
PRINTED BY SANDS & MILLS,
No. 128 Baltimore street.

1851.



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CONSTITUTION
AND
BY-LAWS
OF THE
MARYLAND INSTITUTE,
FOR THE
PROMOTION OF THE MECHANIC ARTS;



TOGETHER WITH A LIST OF ITS MEMBERS, JUNIOR MEMBERS, LIFE MEMBERS,
HONORARY MEMBERS, &c. &c.

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No. 128 *Baltimore street.*

1851.



recat. 92H2211494

OF THE INSTITUTE—Monthly—2d Wednesday evening.

OF THE BOARD OF MANAGERS—Monthly—1st Monday evening
preceding.

TIMES OF MEETING.

The Institute.—At 7 o'clock P. M. in November, December, January and February; at 7½ o'clock in March, April, September and October; and at 8 o'clock in May, June, July and August.

Board of Managers.—At the same hours as the Institute.

SCHOOL OF DESIGN.

The School opens three evenings in the week, (beginning third week in November, and lasting four months,) at 7 $\frac{1}{4}$ o'clock.

LECTURES.

The Lectures before the Institute, begin during the last week in November, and take place either weekly or twice a week until the close of the season, which is in March. They are duly advertised in the daily papers as they are about to be held.

LIBRARY AND READING ROOMS.

Open every evening (except Sunday,) from dusk till 10 P. M.

TERMS OF MEMBERSHIP.

THREE DOLLARS PER ANNUM, and two dollars on joining, making five dollars for the *first* year, payable in advance, on the 1st day of October.

Twenty-five dollars will constitute any person a MEMBER FOR LIFE.

No Member or Junior Member will be entitled to admission to the Exhibition, Lectures, School of Design, Library, &c., until his annual contribution for the current year shall be paid.

Junior Members, (youths between 14 and 21 years) are admitted to all the privileges of Members, except voting at the Institute's meetings, and are charged but half the sum levied upon Members, or one dollar and fifty cents yearly, and two dollars and fifty cents for the first year.

Resolution of the General Assembly of Maryland,
granting an Annuity of \$500 to the Institute,—
adopted February 8th, 1850.

BY THE HOUSE OF DELEGATES, }
February 8th, 1850. }

WHEREAS, the Legislature of the State of Maryland has evinced a disposition to encourage Agricultural labor, and has, by the appointment of a State Chemist, awarded to that branch of industry, the advantage of its aid in discoveries promotive to its profitable pursuit;—and whereas, the improvement and extension of the Mechanic Arts equally deserve the countenance and patronage of the State, and are alike conducive to individual happiness and State prosperity;—and whereas, acting under the influence of an enlightened spirit, the Legislature of Maryland at its December Session, 1829, by resolution No. 45, did contribute through its Treasury to the promotion of Mechanic Arts, which contribution was continued until by disasters the Maryland Institute, the then object of her bounty, ceased to exist;—and whereas, that Institute has been revived and is now in advance progress, and it is proper that its utility should be enlarged,—

Resolved by the General Assembly of Maryland, That the Treasurer of the State of Maryland be and he is hereby directed, to pay annually to the President of the Maryland Institute for the Promotion of the Mechanic Arts, within one month after said Institute shall have held its annual exhibition, the sum of Five Hundred Dollars; *provided*, it shall be shown to the Treasurer that the said Institute is in efficient operation at at the time of such payment.

By Order,

G. G. BREWER, *Clerk.*

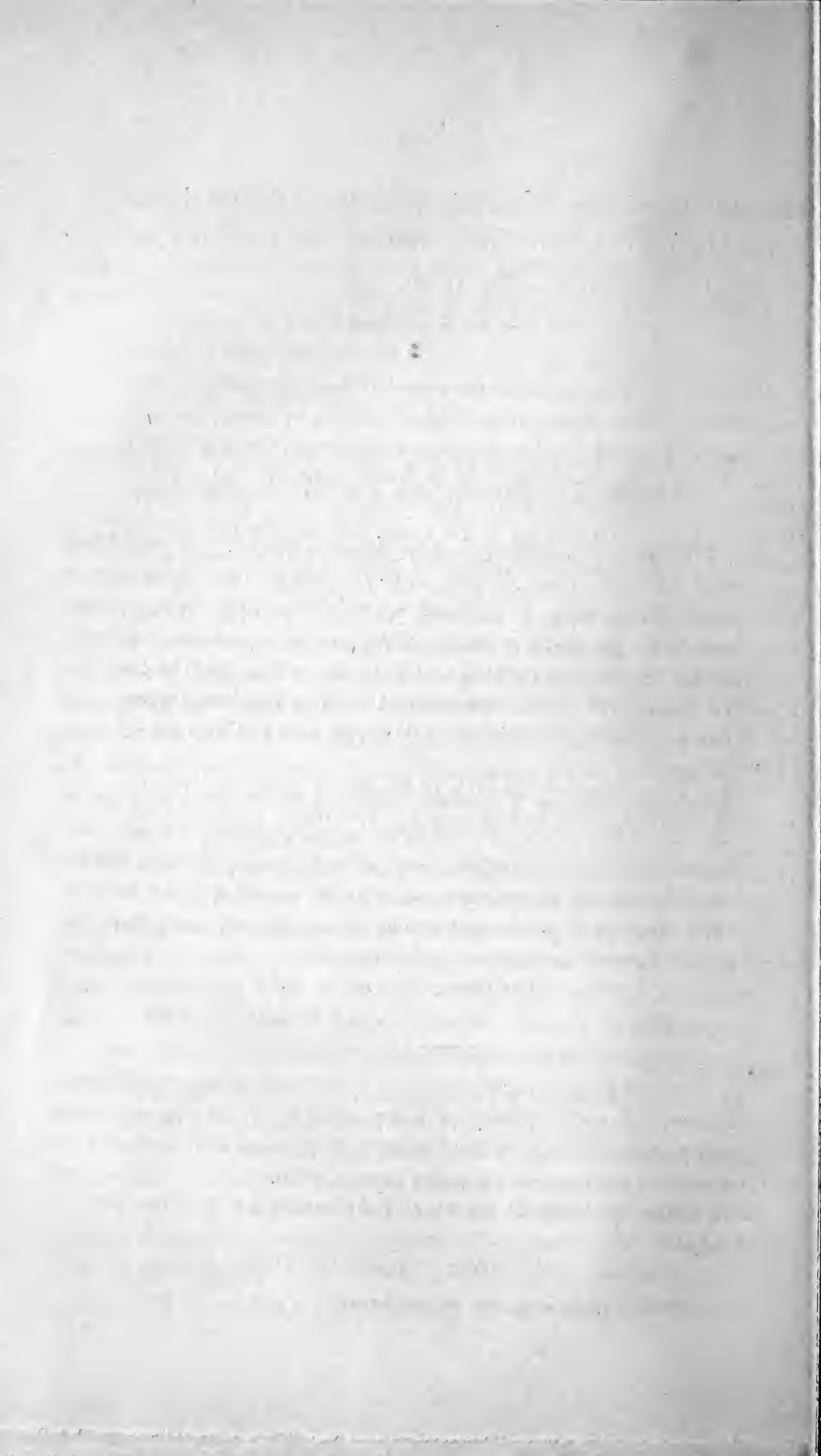
Maryland, to wit :

Be it remembered, and we hereby certify, that the foregoing is a true copy of the resolution in favor of the Maryland Institute for the Promotion of the Mechanic Arts, which passed both branches of the General Assembly of Maryland, at December Session, 1849.

Given under our hands at the City of Annapolis, this 23d day of April, 1850.

GEORGE G. BREWER, Clerk House
Delegates Md.

JOS. H. NICHOLSON, Clerk Senate Md.



CHARTER.

AN ACT INCORPORATING the Maryland Institute for the Promotion of the Mechanic Arts.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the members of the Maryland Institute for the Promotion of the Mechanic Arts, and all those who shall hereafter become members, shall be, and are hereby incorporated and created a body politic, by the name, style and title of the "Maryland Institute for the Promotion of the Mechanic Arts;" and by that name shall have succession, and be able and capable in law to sue and be sued, to plead and be impleaded, in any court of record or elsewhere; to make, have and use a common seal, and the same at pleasure to alter or renew; to receive donations, gifts, grants, devices and bequests, or other conveyances of money, goods, chattles, effects, lands, tenements and estates, real and personal, and the same to hold, use, sell or otherwise dispose of, and convey, and generally to do all such acts, matters and things, as are or shall be necessary to carry into full effect the objects of the said corporation; provided always, that the property owned by said corporation shall not exceed in value one hundred and twenty thousand dollars.

SECTION 2. And be it enacted, That the members of the said corporation shall consist of Manufacturers, Mechanics, Artizans, and persons friendly to the Mechanic Arts, who shall hereafter be elected in such manner, and pay such sum annually, or in gross, or an annual or life subscription, as the Constitution or Bye-Laws of the said corporation shall appoint and require: provided always, that two-thirds of the board of Directors of said corporation shall be practical manufacturers or mechanics.

SECTION 3. And be it enacted, That the objects of the said corporation shall be the encouragement and promotion of manufactures and the mechanic and useful arts, by the establishment of popular lectures upon the sciences connected with them ; by the formation of a School of Design adapted to mechanical and manufacturing purposes ; for providing a Library, Reading Room and a Cabinet of Minerals, Models and Mechanical Apparatus ; for holding Annual Exhibitions or Fairs for articles of American manufacture, and for offering Premiums, or awards for excellence in those branches of national industry, deemed worthy of encouragement ; by examining new inventions submitted for that purpose, and by such other means necessary for the accomplishment of their objects as experience may suggest.

SECTION 4. And be it enacted, That the affairs of the said corporation shall be conducted and managed by a President, a board of Directors, and by such other officers, and in such manner, as the constitution or bye-laws of the same shall authorise and provide ; that such officers and directors shall be elected annually at a meeting of the said corporation to be held in the city of Baltimore on the second Wednesday in January ; and that until the second Wednesday in January, in the year one thousand eight hundred and fifty-one, the present Officers and Directors of the Society, to wit : JOSHUA VANSANT, President ; James Murray and Edward Needles, Vice Presidents ; Samuel Sands, Recording Secretary ; William Prescott Smith, Corresponding Secretary ; Thos. J. Clare, Treasurer ; and Josiah Reynolds, C. W. Bentley, John Feast, Jesse Marden, W. Abrahams, Thomas Trimble, William Rodgers, E. Whitman, Jr., D. M. Adams, William Bayley, C. Conway, Robert Earrickson, Samuel McPherson, William Fergusson, Isaac Brown, H. R. Hazlehurst, John F. Davis, James Young, William Peters, John T. Fardy, Samuel E. Rice, William Robinson, Ephraim Larabee and B. S. Benson, Directors, shall conduct the affairs of the said corporation conformably to the Constitution and articles promised and agreed to by the members previous to the passage of this act.

SECTION 5. And be it enacted, That the duties and rights of the members of the said corporation, the power and functions of the

officers thereof, mode of supplying vacancies in office, the time of meeting of said Corporation and of the Board of Managers, the number which shall constitute a quorum at any such meeting, the mode of electing members, the terms of their admission, the causes which shall justify their suspension or expulsion from the corporation, and all other concerns of said corporation shall be regulated by the Constitution and By-laws of said corporation now existing, or hereafter to be made, which the said corporation is hereby authorised and empowered to make and alter in the manner which may be therein mentioned; provided, that said Constitution and Bye-laws shall not be repugnant to or inconsistent with the Constitution or Laws of the United States or of the State of Maryland.

SECTION 6. And be it enacted, That said corporation shall not issue any note, scrip or bill of credit to circulate as a currency.

SECTION 7. And be it enacted, That said act of incorporation shall inure for thirty years, and that the Legislature of Maryland reserves to itself the right to amend or repeal the same at pleasure.

We hereby certify that the foregoing is a true copy of the Original Bill which passed both branches of the General Assembly of Maryland at December Session, eighteen hundred and forty-nine.

Given under our hands at the City of Annapolis, this fifteenth day of February, 1850.

GEORGE G. BREWER, Clerk House Delegates Md.

JOS. H. NICHOLSON, Clerk Senate Md.

OFFICERS FOR 1851.

PRESIDENT.

JOSHUA VANSANT.

Vice-Presidents.

**EDWARD NEEDLES,
FRANCIS A. FISHER.**

Recording Secretary.

SAMUEL SANDS.

Corresponding Secretary.

WM. PRESCOTT SMITH.

Treasurer.

THOS. J. CLARE.

BOARD OF MANAGERS.

**JOSIAH REYNOLDS,
JOHN F. DAVIS,
THO. TRIMBLE,
ROSS WINANS,
ROBERT EARECKSON,
WM. BAYLEY,
B. S. BENSON,
RICHD. EDWARDS, Jr.,
ADAM DENMEAD,
T. J. LOVEGROVE,
WM. A. BOYD,
GEORGE R. DODGE,**

**WM. H. KEIGHLER,
THOMAS STOWE,
JAMES T. WATSON,
CHARLES W. BENTLEY
W. ABRAHAMS,
SAMUEL E. RICE,
WILLIAM ROBINSON,
E. LARABEE,
JOHN F. MEREDITH,
CHARLES SUTER,
ANDREW FLANNIGAIN,
SIMEON ALDEN.**

STANDING COMMITTEES FOR 1851.

On Exhibitions.

ADAM DENMEAD, Chairman.

CHAS. W. BENTLEY,	THO. TRIMBLE,
W. ABRAHAMS,	SAML. E. RICE,
JOHN F. MEREDITH,	WM. A. BOYD,
GEO. R. DODGE,	CHAS. SUTER.

On School of Design.

ROSS WINANS, Chairman,

ROBT. EARECKSON,	T. J. CLARE,
JNO. F. DAVIS,	C. W. BENTLEY,
THOS. STOWE,	T. J. LOVEGROVE.

On Lectures.

WM. PRESCOTT SMITH, Chairman.

FRANCIS A. FISHER,	S. ALDEN.
ANDREW FLANNIGAIN,	RICH'D. EDWARDS, Jr.

On the Library.

WM. H. KEIGHLER, Chairman.

E. LARABEE,	JAS. T. WATSON,
B. S. BENSON,	WM. BAYLEY.

On the Hall.



PREAMBLE.

WHEREAS, the Mechanics, Manufacturers, Artizans and other citizens of Maryland, impressed with the importance of fostering the inventive genius of their countrymen, of exalting the character of the members of their respective professions, and of increasing the trade and business of the commercial part of the State, and having associated themselves together, and obtained a charter from the Legislature of Maryland, under the name and title of the "MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS;"—to accomplish the objects in view, have made provision:—

1st. For holding an Annual Exhibition, where Mechanics, Manufacturers, Inventors and Artists, and all who may have made any discoveries in the Arts and Sciences, may be enabled to exhibit the productions of their skill and ingenuity, in competition for the medals, diplomas, and other prizes which may be offered by the Institute for superiority;—and also for examining and reporting upon new inventions and improvements whenever desired.

2dly. For the formation of a School of Design, adapted to Mechanical, Manufacturing and Scientific purposes, in which the members of the Institute may be taught the art of Drawing and Designing, a branch of education so necessary in every business and profession connected with the Mechanic Arts.

3dly. For the establishment of Popular Lectures, on subjects mainly connected with Manufactures, Mechanics, and the useful Arts.

4thly. For the formation of a Library and Reading Room, a Cabinet of Minerals, Models, and Philosophical and Mechanical apparatus.

5thly. For establishing a School of Applied Chemistry, to be called the "Chemical Department of the Maryland Institute," where the science may be thoroughly taught in all its branches, under a Professor and Assistants.

In order to make the necessary provision, for effecting these desirable purposes, in obedience to the requisitions of the Charter, they have established the following Constitution and By-Laws for their government.



CONSTITUTION.

ARTICLE I.—NAME AND OBJECT.

SEC. 1. This Association shall be known and designated as the “MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS.”

SEC. 2. The object of the Institute shall be the promotion and encouragement of manufactures and the mechanic and useful arts.

ARTICLE II.—MEMBERSHIP.

SEC. 1. Any person may become a member of the Institute in the manner hereinafter provided for in the By-Laws.

SEC. 2. The members shall be divided into four classes, viz: Members, Junior Members, Life Members, and Honorary or Corresponding Members.

SEC. 3. *Members* shall be over twenty-one years of age, and friendly to the objects of the Institute.

Junior Members shall be minors, not younger than fourteen years of age.

Life Members shall be such persons as pay twenty-five dollars to the Institute for life membership.

Honorary or Corresponding Members shall be persons of distinguished reputation, in connection with the objects of the Institute, or such as may have rendered it important service. They shall be elected by the Board of Managers, who shall report such election to the next stated meeting of the Institute.

ARTICLE III.—OFFICERS.

The Officers of the Institute shall be as follows: a President, two Vice Presidents, a Recording Secretary, a Corresponding Secretary, a Treasurer, and twenty-four Managers, the whole comprising a

Board of Managers thirty in number,—two-thirds of whom shall be practical manufacturers or mechanics, residents of the City of Baltimore.

ARTICLE IV.—MEETINGS.

SEC. 1. The annual meeting of the Institute, for the election of officers, shall be held on the second Wednesday in April, and annually thereafter for the same purpose.

SEC. 2. In default of an election at the annual meeting, the existing officers shall continue in office until others are properly elected.

SEC. 3. At the annual meetings, the yearly reports of the Treasurer and Board of Managers shall be read.

SEC. 4. Special meetings shall be called by the President, on application of the Board of Managers, or at the written request of twelve members.

SEC. 5. Monthly meetings of the Institute shall be held on the second Wednesday of each month.

ARTICLE V.—QUORUM.

SEC. 1. Any fifteen members present at the time and place appointed for holding the annual, special, stated and adjourned meetings, shall constitute a quorum for the transaction of the ordinary business of the Institute, but at annual meetings thirty members shall be required to be present for the election of officers.

SEC. 2. All business shall be considered ordinary, except a proposition to dissolve the Institute, which shall be considered extraordinary, and shall require a majority of all the members to constitute a quorum for its consideration.

SEC. 3. Notice of extraordinary business shall be given at least three months previous to that in which it is to be discussed.

SEC. 4. At all stated meetings of the Board of Managers, nine members shall constitute a quorum for the transaction of business.

ARTICLE VI.—MEMBERS' FEES.

SEC. 1. Members, on their election, shall pay to the Treasurer an initiation fee of two dollars, and an annual subscription of three dollars.

SEC. 2. Junior members, on their election, shall pay to the Treasurer an initiation fee of one dollar, and an annual subscription of one and a half dollars. They shall be entitled to all the rights of the members, except that of voting.

ARTICLE VII.—ELECTIONS.

SEC. 1. No member shall be entitled to vote if in arrears with his subscription; and in no case shall members be entitled to the benefits of the Institute unless they have complied with all the requirements of the constitution and by-laws.

SEC. 2. All nominations of elective officers must be made at least one month previous to the time of election; nevertheless, nominations may be made on the night of the election, provided a majority of the members present concur in a motion to that effect. An election to fill vacancies caused by death, resignation or otherwise, may be had at any stated meeting of the Institute.

SEC. 3. All officers of the Institute shall be elected by ballot; and in case of a plurality of candidates, the lowest shall be withdrawn after each ballot succeeding the third.

SEC. 4. The presiding officer shall have no vote while in the chair, except in case of a tie, of an election by ballot, or when the yeas and nays are called.

SEC. 5. In all elections for officers of the Institute, a majority of the whole number of votes cast shall be necessary for a choice; *provided* there be at least thirty votes cast in each ballot at the Annual or other election of officers.

ARTICLE VIII.—MANAGEMENT.

The Board of Managers shall have the management of the funds of the Institute, and of all matters of finance connected therewith, and shall employ its revenues on the following objects, viz :

First. In providing an Annual Exhibition of the productions of American skill and industry, to be held in the city of Baltimore; and in affording at all times every reasonable facility for the trial and examination of such new inventions and improvements as may be submitted to the Board for that purpose.

Second. In the formation of a School of Design, adapted to mechanical, manufacturing and scientific purposes.

Third. In the establishment of popular Lectures, on subjects connected with manufactures, mechanics, and their collateral sciences.

Fourth. In the formation of a Library and Reading Room, a Cabinet of Minerals and Models, and Philosophical and Mechanical Apparatus.

Fifth. In fostering the Chemical Department of the Institute.

ARTICLE IX.—INCOMPETENCY OR UNFAITHFULNESS.

SEC. 1. Officers found incompetent for, or unfaithful in the discharge of their duties, shall be removed by a vote of a majority of the members present at any regular or stated meeting.

SEC. 2. The Board of Managers may, and they are hereby authorized to declare the seat of any of their number vacant after an absence from the Board for three consecutive stated meetings, and report the same to the Institute. The Institute shall fill the vacancy, in the manner hereinbefore provided.

ARTICLE X.—BY-LAWS AND RULES OF ORDER.

By-laws and rules of order for the government of the Institute, may be made or amended at any stated or special meeting, provided two-thirds of those present concur therein.

ARTICLE XI.—ALTERATION OF THE CONSTITUTION.

To alter or amend this constitution, notice of the proposed amendment shall be given at any stated meeting of the Institute, but it shall not be acted upon until the next or a subsequent meeting.

BY-LAWS.

ARTICLE I.—MEETINGS.

The meetings of the Institute shall be opened in November, December, January and February, at 7 o'clock; in March, April, September and October, at 7½ o'clock; and in May, June, July and August, at 8 o'clock.

ARTICLE II.—MEMBERS.

SEC. 1. Persons who have been elected by the Institute shall sign their names to the constitution, and pay the initiation fee, and one year's dues, before they shall be considered full members.

SEC. 2. The annual contribution of members shall become due and payable in advance on the first day of October, in each and every year.

SEC. 3. Any member whose subscription shall remain unpaid six months after the same shall have been due, shall forfeit his membership, and shall not again be eligible until all arrears are paid. Nor shall a member be entitled to any of the privileges or rights of membership, while in arrears to the Institute.

SEC. 4. Members, on paying their yearly dues, shall receive a certificate of membership for the fiscal year, signed by the President and Treasurer.

ARTICLE III.—DUTY OF THE PRESIDENT.

SEC. 1. It shall be the duty of the President to preside at all meetings of the Institute, and also of the Board of Managers, enforce a due observance of the constitution and by-laws, see that all officers and committees perform their respective duties, appoint all committees and officers not otherwise provided for, inspect and announce the results of all ballotings or other votes, and direct the Secretary to call special meetings when application is made in

accordance with the constitution. He shall sign all orders on the Treasurer passed by the Board, and none others, and perform all other duties devolving upon the President, under the constitution and by-laws.

SEC. 2. In the absence of the President, one of the Vice Presidents in order shall preside, and in the absence of all these, a President *pro tem.* shall be chosen, who shall be invested with all the powers of the President.

ARTICLE IV.—DUTY OF THE RECORDING SECRETARY.

The Recording Secretary shall keep a fair and impartial record of the proceedings of the meetings of the Institute, and of the Board of Managers; he shall give public notice of the stated and special meetings both of the Institute and Board; he shall also keep a correct roll of all the members, alphabetically arranged, and notify resident members of their election. All books under his charge shall be subject to the examination of the members of the Institute. He shall attest to all moneys ordered to be paid by the Board of Managers, and none other. He shall, on all occasions, notify all committees of their appointment, and furnish the chairman of each committee with so much of the proceedings as relates to the object for which it was appointed, and perform all other duties that may be required of him by the Institute, or the Board of Managers.

ARTICLE V.—DUTY OF THE CORRESPONDING SECRETARY.

The Corresponding Secretary shall answer all letters addressed to the Institute; shall open and maintain such correspondence as may tend to advance its interests, under the direction of the Board of Managers, and keep a record thereof, which record shall be open for the examination of the members of the Board. He shall acknowledge the reception of all donations to the library, cabinet, &c., and shall notify honorary or corresponding members, of their election.

ARTICLE VI.—DUTY OF THE TREASURER.

SEC. 1. The Treasurer shall receive all monies of the Institute, and safely keep the same in such place and manner as the Board of

Managers may direct; and shall make no payments without written vouchers from said Board, attested by the signatures of the President and Secretary; he shall keep full and accurate accounts of his receipts and disbursements, and shall exhibit a true statement thereof at the stated meetings of the Institute, and to the Board of Managers, whenever called upon to do so.

SEC. 2. He shall deposit, in such bank as the Board of Managers may direct, all monies received by him over and above \$50, and shall, at every regular meeting, lay before the Board of Managers his bank book, and book of receipts and expenditures.

SEC. 3. He shall draw no money from bank except by check, signed by himself, and countersigned by the President or Recording Secretary.

ARTICLE VII.—DUTY OF THE BOARD OF MANAGERS.

SEC. 1. The President, two Vice Presidents, Recording Secretary, Corresponding Secretary and Treasurer of the Institute shall be ex-officio members of the Board of Managers.

SEC. 2. It shall be the duty of the Board as soon after their election as possible, to elect from their own body the following standing committees, viz: Committee on Exhibition, to consist of nine; Committee on School of Design, to consist of five; Committee on Lectures, to consist of five; Committee on Library, to consist of five; Committee on the Hall to consist of five; and an Actuary, either from the Board or Institute at large. They shall also at a meeting immediately preceeding the Annual Exhibition, elect a Committee on Awards, of eleven in number, whose duty it shall be to receive and collate the Judges' Reports, and arrange the Premiums to be bestowed.

SEC. 3. The Board of Managers shall have charge of all matters of finance, and the various concerns of the Institute, which may not otherwise be provided for, with authority to devise and execute all measures, which, in their judgment, may advance its interests—reporting the same at the next stated meeting of the Institute, for its sanction.

SEC. 4. The Board shall keep regular minutes of their proceedings, in a book prepared for that purpose.

SEC. 5. The Board shall hold regular stated meetings of their own body once in each month. They shall enact such rules and regulations, for their own government, as they may deem requisite.

SEC. 6. Nine of their number shall constitute a quorum at any stated meeting, but at any special meeting, thirteen members shall be necessary.

SEC. 7. They shall require all the Standing Committees to report to them monthly, and to be prepared at all times to furnish them with every detail connected with the respective branch of operations they may have in charge.

ARTICLE VIII.—DUTY OF THE COMMITTEE ON EXHIBITION.

It shall be the duty of this Committee to make all the necessary arrangements for holding the annual Exhibition, at such time and place as the Board may designate. They shall have power to make all necessary contracts and disbursements, to carry out fully the object of the Institute in holding the Exhibition. They shall have prepared such gold and silver medals, diplomas, or other awards, as the Board may direct, as premiums for the first, second and third class American productions, of superior merit, to be awarded by competent and impartial judges. They shall nominate, subject to the approval of the Board of Managers, judges on the several classes, and as soon after the opening of the Exhibition as possible, classify the articles exhibited, and afford the judges the best opportunity for their examinations.

ARTICLE IX.—DUTY OF COMMITTEE ON SCHOOL OF DESIGN.

It shall be the duty of the Committee on School of Design to make the necessary arrangements for opening the same not later than the third week in November, and continue it open four months. They shall employ competent teachers to take charge of the School; establish rules and regulations for its government, and have the entire control thereof. They shall be personally present as much as possible during the session, see that the rules and regulations are observed and enforced, and afford such aid to the officers of the school as may be required.

ARTICLE X.—DUTY OF THE COMMITTEE ON LECTURES

It shall be the duty of the Committee on Lectures to make arrangements for, and to conduct a course or courses of Lectures, to commence in November, to be delivered at such times and place as they may determine.

ARTICLE XI.—DUTY OF THE COMMITTEE ON THE LIBRARY.

It shall be the duty of the Committee on the Library to purchase all suitable books, maps, &c. to the extent of the funds appropriated. They shall see that the Librarian performs the duties required of him. They shall make such rules and regulations, for the government of those who visit the library rooms, as they may deem expedient and proper. They shall see, from time to time, what books are out of order, or require re-binding, and have the same put in order.

ARTICLE XII.—DUTY OF THE COMMITTEE ON THE HALL.

The duty of the Committee on the Hall shall be, to take charge of the Institute's Building, to adopt the necessary means for keeping it in repair, and to rent it from time to time, as demand may be made for it.

ARTICLE XIII.—DUTY OF THE ACTUARY.

It shall be the duty of the Actuary to attend at and take charge of the Hall of the Institute, keep it in proper and comfortable order and open and close the same at such hours as the Board of Managers or the Committee on the Hall may direct. He shall as Librarian, have charge of the library, of the cabinet of minerals, models, philosophical and mechanical apparatus, &c., and be responsible for the safe keeping of the same. He shall perform all other duties required of him by the Standing Committees or the Board of Managers.

RULES OF ORDER.

RULE I.

The following shall be the order of business at each meeting of the Institute :

1. The President shall take the chair at the appointed hour, and call the meeting to order.
2. The minutes of proceedings of the last preceding meeting read and considered, except at special meetings, when the business for which the Institute was convened shall be first in order.
3. Same as to minutes of special meetings.
4. Proposal of candidates for membership, and election of the same.
5. Reading of correspondence.
6. Announcement of donations.
7. Report of Board of Managers, Treasurer, &c. read and considered.
8. Reports of special committees read and considered.
9. Disposition of deferred or unfinished business.
10. Resignations considered.
11. New business.

RULE II.

Should the foregoing order of business not be completed at any one meeting of the Institute, the order shall be resumed at the next meeting, where it stopped at the previous meeting, except that the first five branches of the foregoing order shall be called at each meeting.

RULE III.

The President, while presiding, shall state every question coming before the Institute, before suffering debate thereon, and, immediately before putting it to vote, shall ask, "Is the Institute ready for the question?"

RULE IV.

When the decision of the President on points of order is appealed from, he shall state his decision, and the reasons therefor, from the chair. The party appealing shall then briefly state the reason for his appeal. The question, when taken, shall be put thus, "Shall the decision of the chair stand as the judgment of the Institute?"

RULE V.

Every member, while speaking, shall confine himself to the question under debate; and avoid all personality and indecorous language.

RULE VI.

Should two or more members rise to speak at the same time, the chair shall decide who shall have the floor.

RULE VII.

No member shall disturb another in his speech, except to call him to order.

RULE VIII.

If a member, while speaking, shall be called to order, at the request of the chair he shall cease speaking, and take his seat until the question of order is determined, when he may again proceed, in order.

RULE IX.

No member shall speak more than once on the same question until all the members wishing to speak shall have an opportunity so to do, nor more than twice, without permission of the chair.

RULE X.

All resolutions shall be reduced to writing, if required, before the President shall state the same to the Institute.

RULE XI.

When a blank is to be filled, the question shall be taken first upon the highest sum or number, and the longest time proposed.

RULE XII.

Any member may call for a division of a question when the sense will admit of it.

RULE XIII.

When a question is before the Institute, no motion shall be received, unless to adjourn, to take the previous question, to lay on the table, to postpone indefinitely, to postpone to a definite time, to refer, or to amend; and they shall have precedence in the order herein arranged, the first four of which shall be decided without debate.

RULE XIV.

If a motion to adjourn be adopted, and the Institute has not previously resolved on the adjournment, to meet at a particular period, the effect of the motion shall be to adjourn to the next regular meeting.

RULE XV.

The motion to take the previous question, may be made by any two members, and shall be put in this form, "shall the main question be now taken?" and if adopted, the effect shall be to bring the meeting to a vote upon the question pending at the time the previous question was called for. If such question was an amendment to an original proposition, the vote shall be taken upon the amendment first, and next upon the original proposition as amended, or not, as the case may be, and if the question pending is an amendment to an amendment, the question shall be first taken on the last amendment, and so on down to the original proposition.

RULE XVI.

The effect of the motion to lay upon the table, if adopted, shall be to prevent the question being taken up again on the same evening without a two-third vote.

RULE XVII.

No resolution which has been rejected, shall be renewed at the same meeting, unless reconsidered as provided for in the 18th rule.

RULE XVIII.

Any question which has been indefinitely postponed, shall not be renewed at any time before the next monthly meeting, and then only upon the condition as explained in the next rule.

RULE XIX.

All votes, other than on amendments to the By-Laws or Rules of Order, or indefinite postponement, may be reconsidered at the same or next regular meeting, upon a motion made and seconded by two members who voted in the majority, provided the Institute agree thereto; but after a motion to reconsider has once been lost, it shall not be renewed.

RULE XX.

Every member present shall vote on all questions before the Institute, unless incapacitated under the provisions of the Constitution and By-Laws.

RULE XXI.

A motion to excuse a member from voting shall be put without debate.

RULE XXII.

When a motion has been declared carried or lost by the usual manner of voting, any member, before the Institute proceeds to other business, may call for a count.

RULE XXIII.

All reports of committees shall be in writing, and when read to the Institute, shall be considered as accepted, without a vote, unless objection be made thereto.

RULES OF ORDER

FOR THE GOVERNMENT OF

THE BOARD OF MANAGERS.

1st. The times of Meeting of the Institute, shall govern the meetings of the Board.

2d. The President of the Institute shall be Chairman of the Board, and in his absence a chairman pro tem. shall be chosen.

3d. Nine members shall constitute a quorum at all stated meetings—but at other meetings thirteen shall be necessary.

4th. At the appointed hour of stated meetings, the chairman shall call the Board to order, when the roll shall be called, and all absentees fined $12\frac{1}{2}$ cents.

5th. Members who shall appear within ten minutes after roll call, shall be exempt from fine—all others appearing after that time shall be fined $6\frac{1}{4}$ cents.

6th. The first business after roll call shall be the reading and approval of the proceedings of the previous meeting—then Unfinished Business—Correspondence—Donations—Reports of Standing Committees—Reports of Special Committees—and New Business.

7th. No member shall speak more than twice on any subject, nor longer than 5 minutes at any one time, without special permission of the Board.

8th. When a member is addressing the chair on any subject, the members shall observe silence.

9th. When a subject is under consideration no motion shall be made, but to adjourn, lie on the table, postpone, to amend, or the previous question.

10th. A motion for the previous question, to adjourn, or to lie upon the table, shall always be taken without discussion.

11th. In voting on any question, the chairman shall always give the casting vote, if there is a tie.

12th. The funds collected for fines shall be safely kept by the chairman, and the board shall, at its last meeting previous to a new election, dispose of them as it may please to determine.

13th. Absence from the city, or personal or family sickness shall be a sufficient excuse for non-attendance.

A LIST OF THE ANNUAL MEMBERS OF THE INSTITUTE FOR 1851.

(OR FROM OCT. 1ST, 1851, TO OCT. 1ST, 1852.)

Made up to 8th September, 1851.

A.

Adams, D. M.
Anderson, Jas. M.
Abbott, E. A.
Anderson, Thos. D.
Abrahams, Woodward
Adams, Jno. C.
Addison, Samuel S.
Abbott, Horace
Amos, Corbin
Arnold, Francis
Armstrong, J.
Alnutt, James W.
Adair, Jno.
Atwell, R. H.
Addison, Geo. C.
Allen, James
Adams, John T.
Axer, John
Atkinson, George
Ayres, Littleton
Armiger, John

B.

Benson, Benj. S.
Balderston, Jacob
Bridges, Wm.
Brown, Wm.
Brodbeck, Wm.
Bull, Isaac
Barnes, John H.
Blass, Wm. H.
Boyd, J. Howard
Brooks, Rodney R.
Brown, W. A.
Baker, R. J.
Belt, Hickman
Burnett, Samuel

Bates, James
Bouldin, Wm.
Brown, Isaac
Bartlett, D. L.
Barnes, John H.
Butler, Samuel
Bayley, Wm.
Boyd, Wm. A.
Browning, John W.
Bectol, S. (York, Pa.)
Burgess, Thos. H.
Bourne, Matthew J.
Burn, James W.
Brewer, Nicholas
Bell, Thomas
Bevans, R. A. L.
Brown, Robert Jr.
Bruce, Robert
Bannerman, J. B.
Bonsal, Louis
Blake, Joel N.
Burford, C. C.
Barling, Jos. Sr.
Bines, Robert
Birchall, Thos. W.
Barling, Jos. Jr.
Barnitz, Covington D.
Brand, Alex. J.
Beacham, John S.
Biggs, Robert
Balderston, C. H.
Bolton, Hugh
Brown, Wm.
Bennett, Benj. F.
Bowers, Wm. E.
Bond, James H.
Bruce, John M.
Brice, William N.
Brown, George H.
Brice, N. C.

Bennett, J. H.
Bichell, Philip F.
Bowen, Joseph M.
Brownley, John L.
Blakeney, A. R.

C.

Clare, Thomas J.
Cochran, John D.
Cloud, C. F.
Cortlan, James
Cole, Wm. P.
Cohen, Jacob I.
Clendenin, Robert
Cathcart, Wm. H.
Carter, Clement
Cooke, George
Clark, Levin P.
Chandler, Edwin
Cohen, Dr. J. I.
Carter, Jesse
Cariss, Samson
Camp, James L.
Caldwell, Wm. Q.
Cole, Nathan
Cooper, John M.
Cole, A. G.
Cox, John R.
Coles, Wm.
Cross, Richard J.
Child, Samuel
Crawford, Wm.
Caskey, Robert
Codd, Edward J.
Clackner, G. F.
Cook, John F.
Crummer, E. A.
Cook, Isaac P.
Chiffelle, Thos. P.

Chester, Wm.
 Carroll, Thomas
 Chew, Robert W.
 Chaplain, J. Bond
 Carroll, Henry J.
 Chapson, Daniel S.
 Cole, Benjamin
 Cox, Marion
 Chappell, P. S.
 Codet, J. R.
 Coughlan, William
 Colley, John
 Cooper, John H.
 Chappell, Kershaw
 Cleaveland, A. J.

D.

Daniels, Walter
 Dixon, Thomas
 Dushane, N.
 Dailey, John
 Deitz, J. B.
 Day, Jacob
 Dennis, John P.
 Diggs, E. G.
 Dunn, Michael
 Daiger, Matthew A.
 Davis, Dr. Chas. S.
 Daffin, Benjamin
 Denmead, Talbott
 Dunlap, Charles
 Duvall, A.
 Duncan, H. W.
 Dukehart, John
 Done, J. H. (Somerset Co.)
 Denny, John
 Dukehart, John P.
 Dufur, Orlando
 Drury, William H.
 Dodson, John

E.

Emory, Samuel
 Emich, David J.
 Eisenbrandt, C. H.
 Emery, John B.
 Eldridge, Robert
 Esender, Dr. James
 Ellicott, Evan T.
 Ely, John N.
 Evans, George
 Ellicott, Wm. M.
 Evans, Thomas

Eareckson, Federal
 Emory, Charles L.

F.

Furgoson, Wm.
 Fardy, John T.
 Feast, John
 Fulton, L.
 Friese, Philip C.
 Ferrandini, Cipriano
 Fowler, Francis
 Fales, Nathan
 Foy, James
 France, Richard
 Fisher, J. H. Jr.
 Flemming, James
 Foreman, Valentine

G.

Gambrill, Thomas
 Gardner, Alfred S.
 Golder, James C.
 Gorsuch, Jehu
 Gates, Ezra
 Gilpin, James S.
 Gill, Noah
 Getty, James
 Gorsuch, Wm. G.
 Gover, G. P.
 Griffin, Elias T.
 Griffin, Thomas D.
 Green, Charles B.
 Gherman, Charles
 Green, Henry T.
 Gwinn, Chas. J. M.
 Gross, Jacob
 Grape, Jacob
 Gatch, Conduce
 Gaehle, Henry
 Griffith, G. S.
 Grice, Epward L.
 Gittinger, B. F.
 Gross, J. F.
 Graves, Edward B.
 Green, Joseph D.
 Gillingham, Geo. H.
 Graham, John
 Green, Joseph D.
 Guyton, Wm. L.

H.

Hunt, Jesse
 Hazlehurst, H. R.
 Hoss, John F.

Hayes, Robert
 Holden, Enock P.
 Hogg, Wm.
 Hindes, Samuel
 Holloway, Charles
 Hawkins, Charles
 Hawley, R. K.
 Howard, Robert
 Hambleton, T. E. Jr.
 Holmes, Robert S.
 Heusler, John F.
 Hull, William
 Hart, William J.
 Hill, William B.
 Hinsley, John
 Hutton, Joseph G.
 Hill, Dr. Joseph H.
 Hooper, Charles H.
 Hiss, William H.
 Harrison, Joseph O.
 Haskell, John H.
 Horn, Matthew
 Hill, John H.
 Hunt, G. H.
 Hildebrandt, Herman
 Heron, James W.
 Hindman, Wm.
 Hindes, Moses G.
 Hincks, Samuel
 Heird, H. W.
 Howell, D. C.
 Hopkins, Wm.
 Heath, F. W.
 Herring, Geo. W.
 Herzberg, Philip
 Hughes, John T.
 Henkle, Ferdinand
 Harris, Samuel
 Hall, Charles
 Hoopper, Augustus D.
 Haslup, Rezin

J.

Jacobs, James M.
 Jenkins, James W.
 Jeffreys, Thomas
 Joekel, Conrad
 James, Henry
 Johnson, Robert
 Ijams, John
 James, Thomas
 James, Edward
 Irons, Emanuel
 Jones, J. B.
 Johnson, W. H.
 Jarboe, John R.

Jarrett, Henry C.
Johnson, Philip Jr.
Jenkins, Henry W.

K.

Knabe, Wm.
Kane, George P.
Keighler, Wm. H.
Kennedy, Michael
King, Joseph
Kennedy, John P.
Kelso, Thomas
Kelso, John Thomas

L.

Lawton, John L.
Lucas, Fielding Jr.
Lee, S. S.
Lucas, John
Leslie, Robert
Lovegrove, James
Laws, J. T.
Luttz, John S.
Lester, Samuel
Latrobe, Benj. H.
Lee, Elisha
Lavender, Benj. A.
Lucas, James
Long, Lewis L.
Levering, Dr. James
Logan, James H.
Lamb, Thomas B.
Lanning, Wm. N.
Lee, Z. Collins
Loney, Robert W.
Lambden, John
Lewis, Martin
Lloyd, B. R.
Lyon, John H.
Littig, Philip

M.

Martin, Samuel
Murray, James
Marden, Jesse
Merrill, James H.
Matthews, Joseph
Manning, J. C.
Mathiot, A. B.
Morris, Charles T.
Murphy, John
Martin, David
Maughlin, W. H.
McKim, John S.
Matthews, Thomas

Mitchell, E. T.
Mills, S. S.
Middleton, J. W.
Middleton, Robert
Mahaney, John
McClees, Ellis B.
McEldowney, R.
McClymont, Wm. Jr.
Mercer, Chas. H.
Moran, Dr. John J.
Miller, John F.
Miller, Christian
Marshall, Henry
Milnor, J. P.
Mathers, James
Moore, J. Faris
Massey, Dr. Wm. R.
Milholland, John G.
McMullen, John
McPherson, Samuel
Miller, Enoch
Miller, Wm.
Mohler, Edward
Murray, James
McPherson, James
Meredith, John F.
Metz, Richard
Miller, J. P.
Murdock, Richard
Marley, Richard
McWilliams, Dan'l J.
McCubbin, Chas. T.
Moore, Wm. T.
Martin, John J.
Murray, Wm. J.
Mettee, Wm. H.
McMurray, John
McDowell, R.
Mann, Ernest
Mitchell, James
Mitchell, George
Morton, Washington
Montgomery, Wm. S.
Mace, Carville, V.
Martin, David A.
MacNeal, Andrew L.
Merritt, John A.
Milliss, Laertes O.
Macomber, G.
Myer, Charles A.
McNabb, James

N.

Newman, W. W.
Needles, Charles E.
Nalls, B. F.
Northerman, Col.

Norfolk, John H.
Needles, E. M.
Ninde, James C.
Neely, R. W.
Nicholson, Edwin
Norwood, Lambert S.
Nicholls, Reuben H.
Norris, Richard
Nicholls, Wm. I.

O.

Odell, James H.
Oliver, Wm.

P.

Peters, Wm.
Phillips, Wm. M.
Pool, Robert
Packie, Alexander
Porter, Robert B.
Perine, Mauldin
Peters, Wm. C.
Phillips, Sol. H.
Payne, James
Peters, William H.
Palmer, George M.
Perry, A. Allen
Perry, Leonard
Purden, Fergus
Pyfer, Philip H.
Parker, William
Preston, Wm. P.
Parr, James
Pope, Franklin F.
Pollock, Henry
Patten, Wm. Jr.
Pennington, J.
Phillips, Isaac
Phillips, James T.
Placide, Henry
Porter, George W.
Placide, Matthew P.
Piggot, Thomas S.
Pitt, Thomas J.
Parks, Lloyd B.
Perkins, Dr. E. H.
Purcell, John J.
Priestley, Howard
Phillips, John
Posey, John P.
Phillips, F.
Phelan, James
Porter, H.
Pindin, N. N.
Quail, George K.

R.

Rowe, Spencer Jr.
 Reynolds, Josiah
 Rodgers, William
 Rogers, Evans
 Reeder, Charles Jr.
 Reip, Alfred H.
 Raymond, Sam'l W.
 Rosenswig, E.
 Robinson, Thos. H.
 Robinson, E. W.
 Reasin, Wm. H.
 Rains, Charles H.
 Rogers, James S.
 Rea, John H.
 Rusk, Thos. Jefferson
 Rigney, C. D.
 Russell, Alexander
 Reynolds, J. W.
 Roberts, Dr. G. C. M.
 Rice, James
 Reynolds, Charles A.
 Root, Henry R.
 Rodgers, John
 Robinson, Wm.
 Rodgers, George H.
 Reynolds, Henry
 Russell, William
 Reynolds, Israel C.
 Robb, John A. Jr.
 Robinson, Francis
 Reip, Lawrence, Jr.
 Reynolds, R. M.
 Russell, John A.
 Robinson, Charles
 Reynolds, V. DeWitt
 Clinton
 Radecke, D. E.
 Rosenburg, Abraham
 Ring, Moses

S.

Stapleton, Jos. K.
 Saunders, J. Mowton
 Smith, Wm. Prescott
 Stansbury, Elijah
 Shoemaker, W. S.
 Sykes, James
 Stran, Wm. H.
 Sparhawk, S.
 Simms, Joseph
 Starr, George W.
 Starr, John A.
 Stevenson, Jos. L.
 Seemuller, Augustus

Stanley, John
 Snowden, Henry
 Smith, Samuel
 Shannon, J. P.
 Sisson, Hugh
 Suter, James S.
 Stewart, Jos. W.
 Schæffer, F. Littig
 Stowe, Thos.
 Starr, Benjamin F.
 Sheppard, Moses
 Schoolfield, L. A.
 Smith, Henry C.
 Smith, Thomas
 Stewart, Glendy
 Slade, Edward
 Selby, John S.
 Sherwood, Wm. S.
 Schwartz, Julius
 Stewart, Wm. C.
 Stevens, Geo. G.
 Street, Thomas
 Spies, Charles L.
 Stewart, Thomas
 Sandys, Samuel
 Sandys, Edwin
 Shultz, A. D.
 Startzman, David
 Stone, J. H.
 Seyler, F.
 Stewart, John
 Sexton, S. B.
 Sultzzer, Henry C.
 Steuart, Edwin H.
 Shrote, Wm. T.
 Street, John C.
 Solomon, Isaac Jr.
 Spedden, Edward
 Sharpley, John
 Shanks, Thomas
 Silke, J. Freeman
 Shipley, L. G.
 Spurrier, Grafton D.
 Shaw, Wm. T.
 Smith, J. Christian

T.

Townsend, Samuel
 Thomas, Jos. B.
 Trimble, Thomas
 Tyson, Isaac
 Tishmeyer, L.
 Trego, Wm.
 Trayser, P. P.
 Tall, Joseph
 Tyson, Henry

Tucker, J. H.
 Toole, John E.
 Thompson, Hy. A.
 Trott, Wm. H.
 Townsend, W. D. Jr.
 Tegmeyer, J. H.
 Trump, Charles
 Trump, Newbold C.
 Taylor, Robert Q.
 Turner, John C.
 Tyler, G. C.
 Taylor, Wm. S.
 Turner, J. Maybury
 Trimble, John C.
 Taylor, Levi
 Taylor, H.
 Trotton, Thomas
 Thompson, John T.
 Toland, Wm.
 Trimble, J. R.
 Taylor, William

U.

Uhler, Erasmus
 Upshaw, J. M.

V.

Vansant, Joshua
 Virden, Capt. W. W.
 Havre DeGrace.

W.

White, Thomas P.
 Wysong, Wm. A.
 Waite, R. C.
 Wright, Joel
 Wilson, Robert
 Wells, John
 Webb, Charles
 Wright, John
 Waters, Geo. W.
 Warfield, A. P.
 Wood, James H.
 Wilks, Jabez
 Winkleman, John W.
 Webb, Gustavus
 Weaver, John H.
 Wilson, P. T.
 Waskey, Benjamin
 Watkins, John T.
 Wilson, Thomas
 Wilmot, John T.
 Woollen, Thomas
 Ward, Nathaniel
 Williamson, Angus

Webb, George W.
 Woody, R. H.
 Whitman, E. Jr.
 Winans, Ross
 Welch, John
 Wilson, John H.
 Wickersham, John
 Warner, And. E. Jr.
 Wright, W. E.
 Wright, Wm.
 West, Charles

Watson, James T.
 Worley, Adam
 Warford, R. C.
 Whitman, George
 Wheat, John B.
 Warder, George A.
 Weitzell, John
 Wethered, Charles
 Watson, Wm. H.
 Watson, Charles
 Williams, N. F.

Whitemarsh, James
 Webb, Albert L.
 Walsh, Thomas
 West, George S.
 Y.
 Young, James
 Young, Joshua
 Young, Wm. H.
 Young, John
 Younger, F. A.

LIFE MEMBERS.

A.

Alden, Simeon
 Andrews, Geo. W.
 Ames, Emerson

B.

Bolton, Hugh
 Browne, William
 Bishop, Richard
 Bayley, William
 Burris, John
 Baker, Wm. George
 Bokee, Wm. F.
 Bentley, C. W.
 Blacklock, N. F.
 Barnum, Zenus
 Bennett, Edwin
 Bonnett, Joseph L.
 Bolton, Wm. H.

C.

Chesnut, William
 Cunningham, T. A.
 Cromwell, Mrs. D.
 Craig, Robert
 Cooper, James
 Campbell, Archibald
 Crane, Wm.
 Crane, A. Fuller
 Clampitt, Elias
 Cordray, William
 Crook, Walter Jr.
 Creamer, Thomas
 Chenowith, Rich'd B.
 Chenowith, Benj. F.
 Carter, Darus

D.

Denmead, Adam
 Delaney, Robert
 Dodge, George R.
 Devalin, Hugh
 Dunlevy, Thomas C.
 Davis, John F.
 Davis, Charles W.

E.

Eisenbrant, C. H.
 English, Henry
 Emery, John B.
 Edwards, Rich'd, Jr.
 Eareckson, Robert

F.

Flamm, Peter
 Frank, Leon
 Fisher, Erancis A.
 Flannigain, Andrew
 Flannigain, L. W. F.
 Fuller, Richard D. D.
 Frick, George

G.

Garrott, William
 Gray, Edward
 Glenn, John
 Griffith, Israel
 Gilmour, James D.
 Giles, John R.
 George, James B.

H.

Hopkins, Johns
 Hickman, George H.
 Hintze, Dr. F. E. B.
 Hamberger, K.
 Hudson, David W.
 Horwitz, Orville
 Hagerty, James S.
 Heird, H. W.
 Herring, J. Q. A.
 Hartman, Isaac
 Hoffman, Aaron
 Hoffman, Ephraim
 Heron, James W.
 Holt, Daniel
 Hooper, William
 Hall, James

J.

Johnson, Reverdy
 Innes, Allen L.
 Jarrett, Asbury
 James, Wm. Henry
 James, Basil Harrison

K.

Keyser, S. S.
 Keen, George V.
 Kennedy, William

L.

Lovejoy, Amos
 Laroque, J. M.
 Logue, James
 Lovering, G. A.

Larrabee, Ephraim
Lovegrove, Thos. J.
Lockett, J. H.
Linton, William
Lewis, Milo

M.

McCann, William
Middleton, John W.
Mott, A. G.
Mason, Richard C.
Moore, Robert
Mayger, Richard
Miskimmon, A. C.
Magne, Horace
Minifie, William
Mullen, Thomas Jr.
McEldowney, Robert
McComas, Alexander
McLaughlin, Andrew
McHenry, J. Howard

N.

Needles, Edward
Nicholson, Isaac L.
Neilson, J. Crawford
Niernsee, John R.

O.

Orem, John M.

P.

Page, George
Page, George F.
Parker, Jonathan
Pratt, Enoch
Perine, Wm. B.

R.

Randall, Miss H.
Roose, John J.
Rice, Samuel E.
Rose, William H.
Register, Joshua

S.

Smull, David B.
Sherwood, Rich'd P.
Sangston, Laurence
Snyder, John J.
Suter, Charles

Sands, Samuel
Sands, William Bell
Stickney, J. H.
Shields, Richard D.
Spear, Alex. L.

T.

Thomas, J. Hanson
Turner, J. J.
Turner, Francis
Thompson, Wm. S.
Trapnell, Rev. Jos. Jr.
Tucker, John H.
Thomas, Joseph
Thomas, Jacob B.

W.

Wait, William C.
Wolf, Marcus
Walker, Noah
Wilcox, Peter
Webb, Charles
White, David H.
Walsh, T. Yates
Wyman,

JUNIOR MEMBERS.

A.

Anderson, Wm.
Achey, Charles F.
Albinson, John H.
Ardin, Francis
Adams, John A.
Ashton, C. Wm.
Albaugh, H. C.
Atkinson, Samuel
Addison, Wm. W.
Allen, Charles

B.

Bartlett, John K.
Barrett, F. O.
Bruning, H. H.
Bayley, Charles F.
Paynes, Geo. B.
Ballard, Thomas J.
Boyd, Wm.
Burgess, B. F.
Brumer, James

Brown, Thomas M.
Bevans, D. T.
Barry, Geo. E.
Beard, George R.
Brown, John Wilson
Bowers, Thomas M.
Bennell, John Hall Jr.
Burnett, Wm. T.
Boon, John H.
Baughman, Jos.
Bain, James N.
Bosley, E. M.
Bool, D. W.
Baynes, John B.
Brown, James L.
Brummell, Aug. O.
Brookhardt, R. A.
Bowers, Henry A.
Boggs, Francis
Bokee, Howard
Bedford, John R.
Bedford, C. H. D.
Buckler, L. H.

C.

Cassard, F. W.
Carson, C. H.
Codd, W. H.
Cooper, James
Carroll, Edward
Coale, Nathan
Coale, S. Robinson
Crawford, W. H.
Cole, Joshua
Campbell, Geo. D.
Caldwell, Andrea P.
Caldwell, Wm. Q. Jr.
Cunaingham, J. E. A.

D.

Davis, W. H.
Dillehunt, J. T.
Darling, F. Taylor
Dingee, Wm. W.
Davis, Lawrence B.

Dushane, John A.
Duncan, Alex.
Devine, John
Dukehart, Sam'l T.
Doyle, Augustus J.
Diggs, E. G.

E.

Eareckson, V. O.
Edwards, R. H.
Eboral, Frederick
Eareckson, Chas. F.

F.

Finney, C. McLane
Fowler, John W.
Fisher, George
Frey, Jacob
Fahey, Jas. Charles
Fowler, Jacob

G.

Gott, Thomas L.
Glenn, Samuel
Gatch, Charles H.
Graham, James
Gaddess, Charles W.
Gardner, W. G.
Greise, E. V.
Gilpin, Thomas H.
Gorton, Wm. T.
Gaehle, Henry
Gaehle, Lewis

H.

Hoover, Jos. S. D.
Herzog, John
Holtzman, E. K.
Hardtner, John L.
Heusler, C. A.
Herzog, Valentine
Hays, James H.
Hinkley, Willard H.
Holtzman, John D.
Hannah, John
Hardesty, John
Hale, Joseph A.
Hogg, Egerton
Howard, Wm.
Harrison, Thomas
Hubbard, Charles
Harrison, Wm. H.
Harrison, James
Harrison, Wm. E. C.
Hall, Joseph J.

J.

Jackson, Peter
Johnson, Fred. M.
James, Levi Jr.
James, William
Johnson, W. J.
Ives, John
Johnson, Charles W.
Judlin, A.

K.

Kessler, John S.
Kirk, C. H.
Knott, James H.
Klinefelter, V.
Kirby, Edward W.
Kennedy, O.
Keener, Charles
King, Glendy
Kehlenbeck, H. W.
Kidd, James
Kelly, Peter
Kreis, William

L.

Larrabee, H. C.
Lovejoy, Samuel A.
Larrabee, E. W.
Lebranthwaite, J. L.
Littig, A. W.
Larrabee, Wm. F.
Lambdin, Wm. M.
Lingenfelter, Louis
Laasing, John F.
Leakin, Andrew
Larkin, A. J. B.
Lawson, Stephen A.
Lyons, Wm. B.
Long, James
Lamdin, J. F.
Leake, Wm. H.

M.

Matthews, Sam'l H.
Miller, Wm. H.
Musser, Wm. R.
Marden, Jesse Jr.
Miles, Samuel
McClymont, Alex.
Martin, James
McLaughlin, Daniel
McShane, Henry
Mills, Franklin

Mayger, Richard R.
Merker, Wm. A.
Mash, Jacob J.
McLaughlin, Andrew
Morrow, John Jr.
Moir, James
Matthews, E. L.
Martin, Luther R.
Mason, William
Martin, L. R.
Mullen, James
Meinheister, J. J. O.
Makibbin, Thomas A.
Marshall, Nathan S.
Maslin, Edwin

N.

Numsen, Peter
Nicholson, J. K.
Nash, Thomas

O.

Ohlabaer, C.
Owens, James Jr.
Onion, Edward A. Jr.

P.

Phelps, John B. T.
Parks, James H.
Proctor, Samuel
Parrott, Wm. J.
Phillips, James B.
Placide, Paul D.
Placide, H. B.
Powell, Thomas M.
Pope, George A.
Phillips, Jos. T.
Patten, Charles
Pope, Daniel F.
Perine, M. D.
Phillips, James
Perine, John T.
Page, Albert C.
Primrose, Samuel F.
Phelan, James

R.

Rich, William
Reese, Henry
Rodenmayer, F. T.
Richstein, George C.
Robb, Alexander
Rupp, Henry

Rhodes, John F.
 Renwick, John A.
 Robb, E. T.
 Rodgers, Wm. F.
 Rose, Henry C.
 Rogers, Edward G.
 Rhodes, John M.
 Richardson, Morris
 Rupp, Reuben F.
 Ridgely, John F.
 Reese, Joshua
 Reilly, Francis

S.

Stump, J. B. C.
 Steer, Lewis W.
 Smith, Asa
 Shipley, Charles E.
 Scott, John B. L.
 Smyth, William
 Street, James R. W.
 Starr, George W.
 Stinchcomb, Samuel
 Stewart, Joseph B.
 Starr, John
 Sommerlock, J. F.
 Smith, Marshall
 Spear, Otis
 Slack, Joseph H.
 Schmidt, William
 Selden, J. H.
 Stevens, Wm.
 Saum, Jacob
 Sanders, George
 Smith, David C.
 Shannon, M. A.
 Spear, Alvey G.

Stubbs, Edmund H.
 Suter, James W.
 Snyder, Daniel
 Sitler, Morris Jr.
 Swoyer, Frederick
 Savage, Charles E.
 Smith, Frederick C.
 Sumner, Wm. Henry
 Snavelly, Joseph F.
 Smith, John T.
 Serren, Jabez
 Skirven, George F.
 Sutton, George W.
 Street, Robert J.
 Street, Amos H.
 Sullivan, Jeremiah C.
 Slicer, Charles H.

T.

Trott, Wm. H.
 Taylor, Wm. G.
 Taylor, Wm. S.
 Thompson, J. A. Jr.
 Townsend, Jos. C.
 Thompson, Richard
 Thomas, H. Mifflin
 Thomas, James L.
 Tall, William
 Tyson, John P.
 Thomas, Wm. H.
 Trimble, Robert M.
 Teal, James R.
 Turner, Thomas

U.

Uthman, John T.

V.

Vansant, Joseph
 Vogt, Frederick

W.

Wheeler, Wm. T.
 Wallace, R. D.
 Wallace, Wm. S.
 Walker, Charles W.
 Walker, Joseph W.
 Woody, Wm. Jr.
 Weinhultz, Thomas
 Wild, George
 Wild, Lewis
 Watts, Benjamin
 Williams, Jacob
 Washington, John
 Wharton, B. B. H.
 Williams, George A.
 Wylie, Thomas M.
 Wailes, John P.
 Williamson, David
 Whitehead, James I.
 Weishampel, J. F. Jr.
 Watson, John H.
 Wolf, Alonzo L.
 Wallace, Jos. Henry
 Wells, Clinton G.
 Williams, Augustus
 Wills, Joseph

Z.

Zentmyer, Wash.

HONORARY MEMBERS.

JOHN G. MORRIS, D. D.,	Baltimore.
EDWARD STABLER,	Maryland.
WM. F. LYNCH, U. S. N.,	do.
PROF. WALTER R. JOHNSON,	Nat. Institute, Washington.
WILLIAM BAER,	Maryland.
J. M. S. CAUSIN,	do.
PROF. CAMPBELL MORFIT,	do.
HORACE GREELEY,	New York.
PROF. A. D. BACHE,	Sup't U. S. Coast Survey.
EDWARD K. COLLINS,	New York.
ZADOCK PRATT,	do.
G. W. BURNAP, D. D.,	Baltimore.
PROF. SAMUEL F. B. MORSE,	New York.
PROF. CHARLES G. PAGE,	Washington.
J. H. B. LATROBE,	Baltimore.
RICHARD FULLER, D. D.,	do.
WM. D. GALLACHER,	Cincinnati.
PROF. JOSEPH HENRY,	Smithsonian Institute.
GEORGE PEABODY,	London.
PROF. M. F. MAURY,	National Observatory.
S. TEACKLE WALLIS,	Baltimore.
EDWARD GRAY,	do.
CHARLES F. STANSBURY,	Washington.
JOHN P. KENNEDY,	Baltimore.
W. W. SEATON,	Washington.

NAMES OF THE "COMMITTEE ON THE HALL."

(Omitted on page 11.)

THOMAS J. CLARE, Chairman.

SAMUEL SANDS,
S. ALDEN,

C. W. BENTLEY,
THOMAS TRIMBLE.

For the duties of the Standing Committees, see pages 22, 23, 24 of this book!

THE LAYING OF THE CORNER STONE.

[*The following account of the Ceremonies had on the interesting occasion of the laying of the Corner Stone of the Grand Hall of the Institute, is made up from the report published in the daily newspapers of the 14th March, 1851.*]

THE laying of the corner-stone of the Hall to be erected for the Maryland Institute, (on the fine lot at the head of the Centre Market, running three hundred and fifty-five feet long to Second street, and fronting sixty feet on Baltimore street, the city's principal avenue,) took place yesterday afternoon, with ceremonies appropriate to the formal commencement of a work which in its importance and the beneficial effects which may be expected to follow its completion so greatly interests all classes of the community. The occasion, as was expected, proved to be one of more than ordinary interest, and the participation which our citizens take in all that relate to the Institute for the promotion of the purposes of which the improvement is to be made, was most strongly exemplified by the large concourse of persons who attended and witnessed the ceremonies. The whole space on Baltimore street opposite the spot, was completely thronged, a large number of ladies occupying positions on the outskirts of the crowd, whilst the windows, and in some instances even the roofs, of the houses overlooking the scene, were occupied by interested spectators.

The Mayor, (J. H. T. Jerome, Esq.,) and members and officers of the City Council, escorted by the officers of the Institute, came to the ground in a body and occupied seats on the large platform, together with the Clergy, the Speaker, the officers of the Victualler's Association, the representatives of the press, and many respected and venerable citizens who were invited to witness the scene. Letters of excuse for their non attendance were received from the President of the United States, and the Governor of Maryland.

At four o'clock, Volandt's fine band, (who had generously volunteered their services for the occasion,) commenced the ceremonies by the per-

formance of appropriate music. A fervently touching and appropriate prayer was then delivered by the Rev. Dr. Richard Fuller.

The laying of the corner stone then took place, Wm. Bayley, Esq., Chairman of the Building Committee, performing the ceremony, assisted by the other members of the Committee. The stone was raised and placed in the spot prepared at the base of the pier on the North East corner of the edifice, and after being levelled and secured was struck and declared to be well and properly laid as the foundation stone of the Hall of the Maryland Institute. A leaden box was then placed in the cavity in the stone in which were placed the following articles, a list of which were read by the Secretary of the Committee, S. E. Rice, Esq., viz :

Copy of the Holy Scriptures; Charter, Constitution and By-Laws of the Institute; City Ordinances for 1850, containing the ordinance relative to the Institute; Proceedings of the Institute and Board of Managers relative to the erection of the Hall; Acts of Assembly relative to the Corporation of Baltimore; Constitution of the United States and of each of the States in the Union; List of families and other persons in Baltimore town, in 1752, preserved by the late Joseph Townsend and presented by Richard Townsend; a copy of the various Medals and a Diploma of the Institute; Catalogue of articles exhibited at the Institute Fairs in 1848, '49 and '50; Copies of each of the city papers; Names of contractors for the building; Names of the Building Committee and Architect; Names of the President of the United States, Governor of Maryland; and Mayor of Baltimore; Copy of the Baltimore Directory for 1851.

After the placing of these articles in the stone, it was closed, and the chairman of the Building Committee, with some appropriate remarks, poured on it the libations of corn, wine and oil—emblematic of plenty, peace and gladness—and concluded by handing to the architect the square and trowel. The ceremony was very appropriate, being in its main features similar to that used by the Masons on such occasions.

In closing the ceremony and pouring the libations of corn, wine and oil on the stone, Mr. Bayley used the following invocation :

“ May the all bounteous Author of Nature bless the Institution under whose auspices this work hath been commenced; prosper the objects of its association, assist in the erection and completion of this building to be dedicated and devoted to the encouragement, the promotion and elevation of the Mechanic and the kindred Arts. Guard and protect the workmen employed thereon from every accident, grant that each may

perform his allotted part with skill, ability and success, and long preserve the structure from decay. And grant to us all in need, supply the *corn* of nourishment, the wine of refreshment and the *oil* of joy."

The corner stone is of marble, and the top of it bears the following inscription: "Maryland Institute for the Promotion of the Mechanic Arts, 1851. Building Committee—Wm. Bayley, chairman—S. E. Rice, Secretary. J. Reynolds, E. Needles, D. M. Adams, W. Abrahams, B. S. Benson. Architects—Messrs. Chiffelle & Raisin."

At the conclusion of this part of the ceremony the band performed the national anthem of Hail Columbia, in a splendid style, and Joshua Vansant, Esq., President of the Institute, introduced to the audience, S. TEACKLE WALLIS, Esq., who proceeded to deliver the Address. This address will be generally read, and admired by all for its appropriateness, the beauty of thought which it developes, and the chaste and elegant language in which it is expressed. He was frequently interrupted during its delivery by the applause of his ten thousand listeners, who seemed to regret the close of his eloquent remarks.

At the conclusion of Mr. Wallis' address, the proceedings were closed by a prayer and benediction by the Rev. Dr. J. G. Burnap, followed by music from the Band. The vast crowd then quietly separated, all apparently highly gratified with the interesting incidents of the occasion.

It was a common remark at the time, that no public ceremony of the kind in Baltimore, had ever been more happily conceived, or more orderly and successfully carried out, than that of the *laying of the corner stone of the MARYLAND INSTITUTE HALL, on Thursday thirteenth day of March eighteen hundred and fifty-one.*

The thanks of the Institute are due to all those who participated in the occasion.

The first part of the paper is devoted to a general discussion of the
theoretical aspects of the problem. It is shown that the problem
is equivalent to a problem in the theory of differential equations.
The second part of the paper is devoted to a detailed study of the
problem. It is shown that the problem is solvable and that the
solution is unique. The third part of the paper is devoted to a
study of the properties of the solution. It is shown that the
solution is continuous and that it satisfies the boundary conditions.
The fourth part of the paper is devoted to a study of the
stability of the solution. It is shown that the solution is stable
with respect to the initial conditions. The fifth part of the paper
is devoted to a study of the asymptotic behavior of the solution.
It is shown that the solution tends to zero as the independent
variable tends to infinity. The sixth part of the paper is devoted
to a study of the numerical solution of the problem. It is shown
that the numerical solution is accurate and that it converges to the
exact solution. The seventh part of the paper is devoted to a
study of the applications of the problem. It is shown that the
problem has many applications in the theory of differential
equations. The eighth part of the paper is devoted to a study of
the history of the problem. It is shown that the problem has been
studied by many mathematicians. The ninth part of the paper
is devoted to a study of the future of the problem. It is shown
that the problem is still an open problem and that it is of great
interest to mathematicians. The tenth part of the paper is devoted
to a study of the bibliography of the problem. It is shown that
there are many papers on the problem. The eleventh part of the
paper is devoted to a study of the conclusions of the paper. It is
shown that the problem is solvable and that the solution is unique.
The twelfth part of the paper is devoted to a study of the
acknowledgments of the author. It is shown that the author
wishes to thank the following persons for their help and advice:
[List of names]

MR. WALLIS' ADDRESS.

I am before you, Fellow Citizens, at the request of the members of the Maryland Institute, to say but a few words, in honor of the occasion which has assembled us. It is an occasion which speaks for itself. Few incidents in the history of this community can, by possibility, have been more interesting. Within the memory of living men, a paltry hamlet has grown up into the prosperous and stately city which is round us. Its commerce has brought home to it large treasures from the sea, and the hundred hands of its far-reaching industry are gathering the best fruits of the land. Over the very spot where we now stand, there may be those before me who remember when a sluggish stream stole quietly upon its course—how marked and wonderful a contrast to the mighty, restless tide of human life and energy and wealth, which every day rolls bounding by it! It is not chance to which all this is due. What human agency has wrought the change? Our liberal institutions, blessing and blessed, have borne their part, of course; the energy and enterprize of a spirited mercantile community have had their share; but the lever which has lifted us mainly has been fashioned by the Mechanic Arts, and the hard hands of those who toil in them have done the chief work with it. We are here, to-day, to lay the corner stone of a temple to those arts. The earth has already received it. There it is, and there it shall be—not only until after all whom I behold shall have passed away, but until the last of those who remember us shall have been themselves

forgotten. The walls which are to rise above it are to be no vain monument of pride or folly. As the city which it is to grace is of itself a monument of prosperous and useful labor, so the edifice, on whose foundations we are standing, is to be consecrated to the improvement and the welfare of the laboring community, and to the diffusion among them of science, skill and virtue. May the sunshine which is glowing on us, from this spring-tide sky, be no false token of the brightness which is to wait on its destinies and their fulfilment!

A man must have but poor ideas of what government was made for, if he can have any doubt that the education of the citizen is one of its chief duties. The heads and hearts of those who are born or dwell upon the soil, are the richest treasure and the mightiest power of the richest and the mightiest empire. Few will be found among us, to dispute this, as a truth—almost as few, in public situations, who will take the responsibility of giving it, in all its bearings, that full and practical effect, without which it is but a declamatory abstraction, like others that we hear. Every one is willing to subscribe to it as a principle—to make use of it for rhetoric—not every one can be brought to foster it, to develop it, to pay for it as blessing. It seems to be considered that legislation is but of the earth, earthy—that rail-roads and turnpikes and canals, and such things only, are within its province and its obligations—the ways men move in, the things men eat, and wear, and gain, and waste—but not the men themselves! I would that I could say this ancient and beloved Commonwealth of ours is altogether without sin, in this particular. I am afraid that her statute book is mute and inglorious enough in those provisions for her children's intellectual development, which ought to be blended intimately and universally with all enlightened legislation, as they must make

part of all that is faithfully and practically republican. But I am not here to censure. We are met to congratulate each other, and we will trust that a new state of things is before us. We will believe that the time is not far off, when no citizen of ours shall bear to his grave undeveloped, because of his misfortunes or his poverty, the intellect which his Maker has given him for his own and his country's good! The Institution which has in hand the enterprise of to day, is destined to be an agent of no insignificant avail in the work of this regeneration. Let us welcome its creation then, as a public benefit, and its labors as those of the most substantial and effective patriotism!

In the autumn and winter of 1847, a few practical and unpretending citizens met in the Hall not far from us, with the view of associating themselves together to promote the advancement of the Mechanic Arts. They were men who had been bred to toil, and were the architects of their own good names and simple fortunes. They had learned from their own experience how defective were the opportunities afforded, in this community, for intellectual and especially scientific culture, among the mechanical classes, and they were determined by their best efforts to modify, if they should be unable to remove, the evil. They set themselves to work, calmly and prudently, but with the energy and vigor which come from disinterestedness and conviction. They were able soon to enlist in their cause other men, of the same feelings, the same interests and the same determination. It was a good cause and it prospered. In the course of two years the present corporation was created, and was solemnly dedicated, by the law which gave it being, to the following important objects:

“And be it enacted, That the objects of the said corporation shall be the encouragement and promotion of manufactures and the mechanic and useful arts, by the establish-

ment of popular lectures upon the sciences connected with them; by the formation of a school of design adapted to mechanical and manufacturing purposes; for providing a Library, Reading Room, and a Cabinet of Minerals, Models and Mechanical Apparatus; for holding annual exhibitions or fairs for articles of American manufacture, and for offering premiums, or awards for excellence in those branches of national industry, deemed worthy of encouragement; by examining new inventions submitted for that purpose, and by such other means necessary for the accomplishment of their objects as experience may suggest."

The State, in exacting pledges and imposing duties so important, did not leave the corporation altogether without aid in their fulfilment. A resolution, of the same session of the Legislature, endowed it with an annual income of five hundred dollars—no California, it is true, in view of the high objects which were contemplated, and of the interest of the community therein, but still something to be grateful for, and the earnest, it is to be hoped, of more large and liberal benefactions.

The City of Baltimore, with a generosity which does honor to its corporate authorities, did not choose to be left behind in so excellent a work. An ordinance was passed during the last summer, granting permission to the managers of the Institute to build their Hall upon this ground—the property of the city—as you know—and Fifteen Thousand dollars were appropriated as the public contribution towards it. Nor can these contributions end here. They will be added to, if they are needed—for no legislature, however narrow in its own views, will be able to resist the public opinion, which an enterprise so worthy can never fail to command. The wise and just will insist on them, because it will be right to do so—the weak and time-serving, because it it will be popular. The cause of education is one

in which it will be no sin for the influence of any class to make itself felt. A better cry can never call men to the ballot box!—a nobler, a purer, a less selfish one, never! Our citizens, themselves, in the mean time, must not be wanting in their individual duty. They have not been and they will not be. More than eight hundred names are already upon the lists of the association, and there is now, happily, no doubt whatever, that the beautiful edifice, which the taste of a member* of the Institute has designed, will soon lift its towers towards the Heavens, that have thus far smiled so bountifully on the enterprise.

Of the blessings which such an Institution, in full and successful operation, will confer upon society, and especially upon the class to whose improvement it is peculiarly devoted, it would be needless, as it would be impossible, to make any calculation. Popular constitutions may formally secure equality of rights, but equality of intelligence is the only guaranty of their practical and permanent maintenance. It is not the policy, not the object, not the theory of our institutions—though oftentimes it is the practice under them—that the laboring man should be a drudge only. It is bad philosophy, bad morals, bad republicanism. You may disguise the thing by what political masking and mummery you please—by as much cant as you like, about the “dignity of labour”—but if social institutions or defective legislation result in concentrating a man’s faculties upon his manual occupation only, they unfit him, to a degree, for the higher duties, as they deprive him of the highest privileges of genuine republicanism. Men must toil, for it is the ban under which they exist; but toil is not, must not be all. You must make it tolerable, by blending it with something better. You must

* MR. WM. H. REASIN—the Architect.

counteract its depressing tendencies, by encouraging those which are nobler and upward. You must inform it with a liberal spirit—teach it the uses of the head and heart, not less than of the hands.

It is no Utopian dream to look for this—no socialist declamation—no appeal of the demagogue—to insist on it. It is the very principle on which our system is based, and it is a perfectly practicable one, if the right use be made of means. Two things alone are necessary for its consummation—some moderate leisure, and some attractive and elevating occupation for that leisure. The laws may secure the first of these things, to the full extent that is needful, and it is by contributing their part towards furnishing the last, that associations like the present best deserve their laurels!

There is an admirable feature in the organization of the Maryland Institute, which bespeaks a wise appreciation of its objects and of the best mode of advancing them. I refer to the provision in its constitution, which allows to youths the privilege of “Junior Membership,” upon terms so liberal as to throw the door open to all. Already large numbers of young men have availed themselves of the opportunity to place themselves within the circle of improvement. The School of Design, which has been established on a liberal and comprehensive footing, has already enlisted many in the study of those lessons by which the artist’s eye and hand are trained to catch and fashion and delineate the beautiful in proportion and in form. The School of Chemistry, which it is in contemplation to organize—if properly conducted, as we know it is to be—will open to the eyes of thousands—who otherwise would see but the outside of things handled by routine—the hidden but unfailing principles which nature gives as handmaids unto art. When increasing resources shall have surrounded the Insti-

tute with the appropriate appliances and means of yet more various instruction—when the halls which are to rise here shall be filled, as they will be, with models of ingenuity and taste—when books, and cabinets, and scientific, well-taught teachers shall be here, so that the poorest who is athirst for knowledge shall not lack a fountain at which to slake it—how many will be the voices of the children that “shall rise up and call her blessed !”

I but anticipate the verdict of the future in saying these things, Fellow citizens, if the members of the Institute be but true to themselves—as I am sure they will be—and if you, the State, the City, and all who have the City’s and the State’s true interests at heart, be mindful of that countenance and aid which it and its objects deserve at your hands. The immediate purpose of the enterprise, ’tis true, is to improve a class of the community—but that class is so large and so important—its members are so mixed with all the most imposing functions and most serious obligations of society—that services so signal, done to them, are services to all. And more than that—an enterprise which elevates the tone and lifts the standard of one American community, is not an isolated thing—but, in its sphere and way, contributing, with things like it, to elevate and amplify that mighty nationality—one and indivisible—the perpetuity of which, I had rather be a dreamer and a fatalist, to the end of my days, than permit myself for a moment to doubt or to despair of. There are things which we believe, without the necessity of demonstration, and hope for when hope seems dead—things which come to us invested with the sanctity of faith, and of which our convictions have the resistlessness of instinct. Among such things, I class the trust of a genuine American in the permanence of the union of these States. I will contemplate no future of which any other idea is a part. I believe that there is fire in Heaven to

blast the sacrilege which would invade the ark of the covenant of human freedom, and I shall look for it to fall when the times shall need its coming.

Let us, my fellow-citizens, foster and support this Institution, as a link, though it be an humble one, in that increasing chain, which is thus to bind us hereafter, all together, in common interests, common hopes and fortunes—a common civilization. Let us not expect too much from it at first, but let us encourage it—say a good word for it—do a kind turn for it—when we may. We may not reap much of the harvest ourselves, but those who do will remember, with gratitude, the hands that sowed the seed!

~~~~~

NAMES TO BE ADDED OF PERSONS ELECTED ON 10TH SEPT., 1851.

ANNUAL MEMBERS.

|                     |                      |                    |
|---------------------|----------------------|--------------------|
| Arnold, George      | Diffenderffer, Henry | Matthews, Thos. J. |
| Brashiers, John B.  | Davis, H. Winter     | Numsen, John W.    |
| Bartholomee, Joseph | French, Andrew       | Newell, Peter      |
| Brooks, Henry       | Gody, Thomas         | Reilly, George     |
| Christopher, Josiah | Gregory, Geo.        | Scheib, Jacob      |
| Clark, James G.     | Gosnell, P. H.       | Simonson, Wm. C.   |
| Cook, John F.       | Ives, William M.     | Wilson, James B.   |
| Carpenter, Wm. C.   | Merrick, Richard T.  | Yeates, Dr. J. L.  |
| Dinsmore, James     | Munroe, D. S.        |                    |

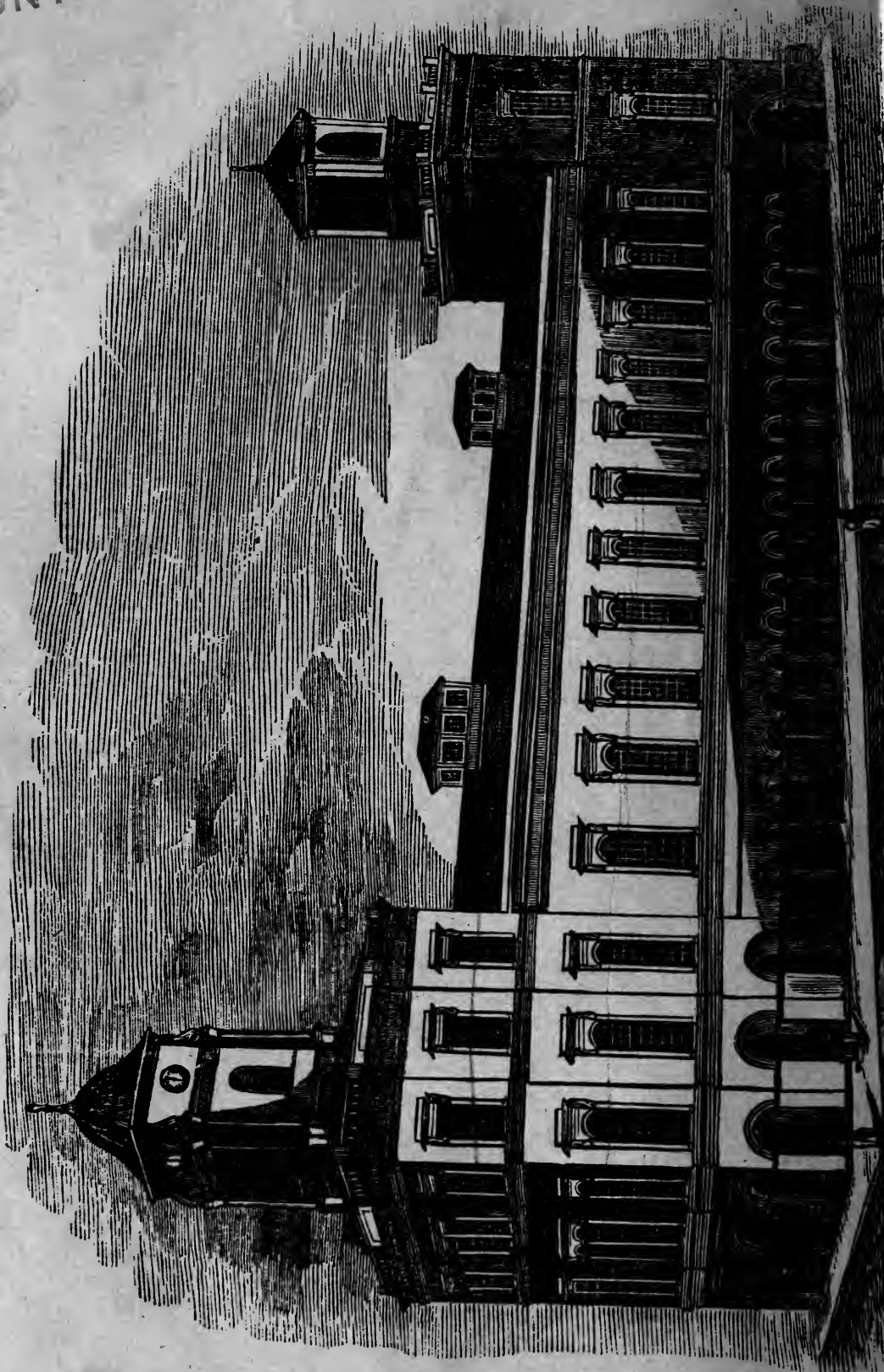
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JUNIOR MEMBERS.

|                     |                    |                      |
|---------------------|--------------------|----------------------|
| Beatson, John       | Lewis, Jos. N. Jr. | Rothel, Thomas       |
| Baggett, Hy. C.     | Lears, John        | Stewart, Edwin R.    |
| Colston, B. Oliver  | Milnor, Joseph     | Stow, Lewis          |
| Crawford, John L.   | Millholland, T. T. | Schoolfield, Wm. H.  |
| Dittman, Charles W. | McCauley, Reuben   | Schoolfield, Geo. A. |
| Dittman, Edward F.  | Martin, L. R.      | Wheeler, Jerome      |
| Evans, Andrew J.    | Mullen, James      | Wehn, Philip         |
| Elmore, Charles     | Mortimer, James V. | Writer, Theodore     |
| Forsythe, David J.  | Noyes, Edward C.   | Weaver, Henry        |
| Hall, Joseph H.     | Perine, P. P.      | Yeates, J. L. Jr.    |



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CHARTER,  
CONSTITUTION,

AND

BY-LAWS

OF THE

MARYLAND INSTITUTE,

For the Promotion of the Mechanic Arts;

TOGETHER WITH A LIST OF ITS MEMBERS, JUNIOR MEMBERS, LIFE  
MEMBERS, HONORARY MEMBERS, &c.

TO WHICH IS ADDED

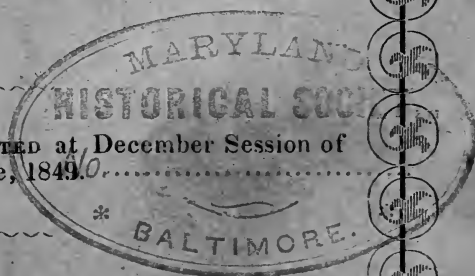
A BRIEF DESCRIPTION OF THE INSTITUTE'S HALL,

AND EXTRACTS FROM THE CLOSING ADDRESS,

DELIVERED AT THE EXHIBITION OF 1851,

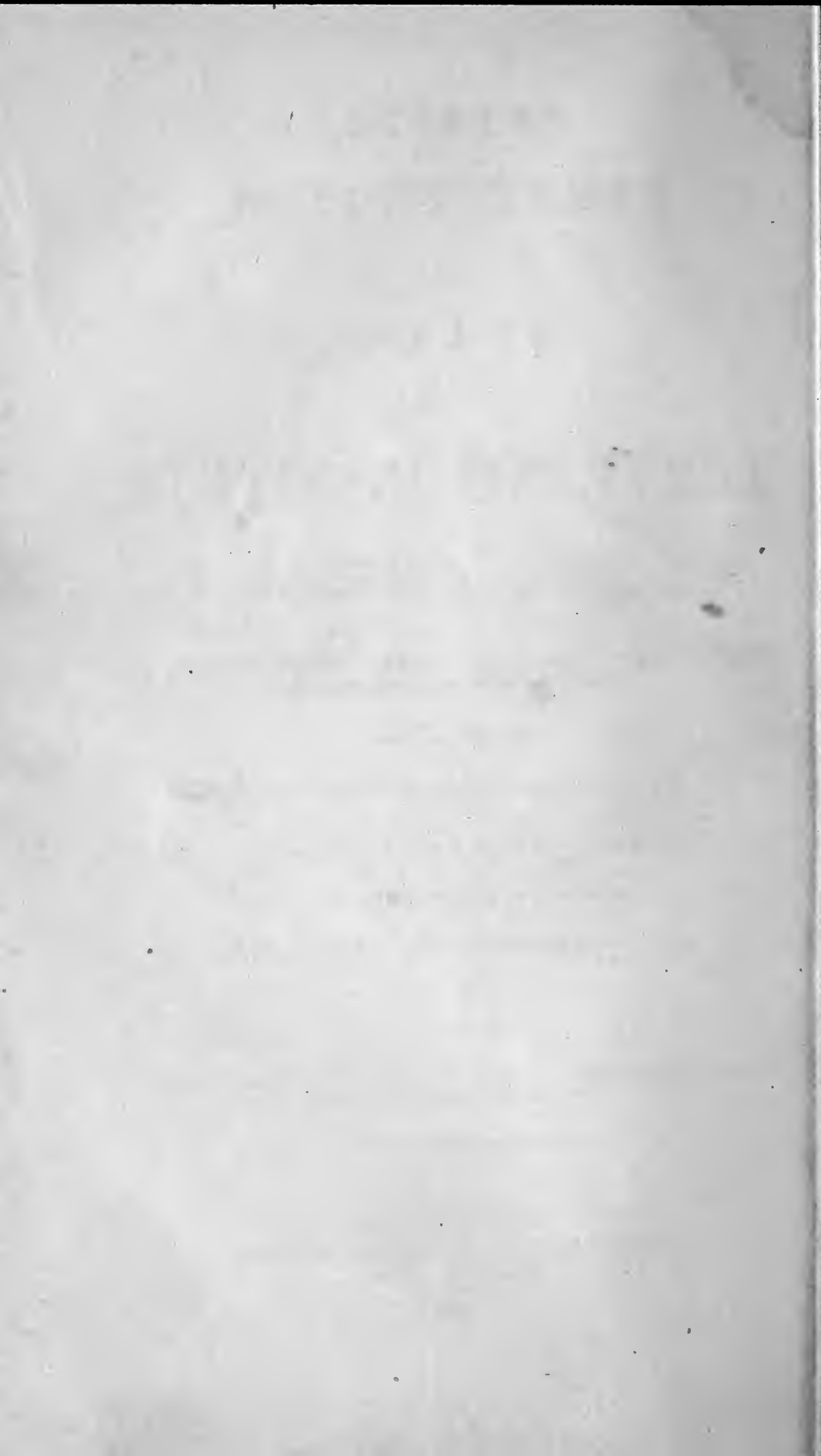
BY J. VANSANT, ESQ., PRESIDENT.

FORMED JANUARY 12th, 1848—and INCORPORATED at December Session of  
the Maryland Legislature, 1849.



BALTIMORE:  
PRINTED BY SANDS & MILLS,  
No. 123 Baltimore street.

1852.



CHARTER,  
CONSTITUTION,

AND

BY-LAWS

OF THE

MARYLAND INSTITUTE,

For the Promotion of the Mechanic Arts;<sup>Baltimore</sup>

TOGETHER WITH A LIST OF ITS MEMBERS, JUNIOR MEMBERS, LIFE  
MEMBERS, HONORARY MEMBERS, &c.

TO WHICH IS ADDED

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# MEMORANDA

FOR THE

## MEMBERS AND JUNIOR MEMBERS.

The REGULAR MEETINGS are held as follows:

OF THE INSTITUTE—Monthly—2d Wednesday evening.

OF THE BOARD OF MANAGERS—Monthly—1st Monday evening preceding the Institute's meeting.

### HOURS OF MEETING.

*The Institute.*—At 7 o'clock P. M. in November, December, January and February; at 7½ o'clock in March, April, September and October; and at 8 o'clock in May, June, July and August.

*Board of Managers.*—At the same hours as the Institute.

### SCHOOL OF DESIGN.

The School will be in session three evenings—(Monday, Wednesday and Friday, as a general rule)—in the week, at 7 o'clock, to February 1st, and at 7½ o'clock for the balance of the season. The whole term lasts four months, from November to March.

### LECTURES.

The Lectures before the Institute begin during the month of November, and take place (as a general rule) twice a week, on Tuesday and Thursday evenings, until the close of the season, which is in the month of March. Each Lecture will be duly advertised in the daily papers as it is about to be held. They are held in the main saloon.

Recd. 9th 17 May 44

## LIBRARY AND READING ROOMS.

Upper Saloons of the front Hall—Open every evening (except Sunday,) from dusk till 10 P. M.

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## TERMS OF MEMBERSHIP OF THE INSTITUTE.

THREE DOLLARS PER ANNUM, and two dollars on joining, making five dollars for the *first* year, payable in advance, on the 1st day of September.

*Twenty-five dollars* will constitute any person a MEMBER FOR LIFE.

No Member or Junior Member shall be entitled to admission to the Exhibition, Lectures, School of Design, Library, &c., until his annual contribution for the current year shall be paid.

*The use of Tickets of Membership is in no case to be transferred.*

Junior Members, (youths between 14 and 21 years,) are charged but half the sum levied upon Members, or two dollars and fifty cents for the first year, and one dollar and fifty cents yearly thereafter. They are entitled to the use of the Library, to tuition in the School of Design, and admission to the Exhibition, Lectures, &c. at all times, with a lady.

# THE INSTITUTE'S CHARTER.

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## AN ACT INCORPORATING the Maryland Institute for the Promotion of the Mechanic Arts.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the members of the Maryland Institute for the Promotion of the Mechanic Arts, and all those who shall hereafter become members, shall be, and are hereby incorporated and created a body politic, by the name, style and title of the "Maryland Institute for the Promotion of the Mechanic Arts;" and by that name shall have succession, and be able and capable in law to sue and be sued, to plead and be impleaded, in any court of record or elsewhere; to make, have and use a common seal, and the same at pleasure to alter or renew; to receive donations, gifts, grants, devices and bequests, or other conveyances of money, goods, chattles, effects, lands, tenements and estates, real and personal, and the same to hold, use, sell or otherwise dispose of, and convey, and generally to do all such acts, matters and things, as are or shall be necessary to carry into full effect the objects of the said corporation; provided, always, that the property owned by said corporation shall not exceed in value one hundred and twenty thousand dollars.

SECTION 2. And be it enacted, That the members of the said corporation shall consist of Manufacturers, Artizans, and all persons friendly to the Mechanic Arts, who shall hereafter be elected in such manner, and pay such sum annually, or in gross, or an annual or life subscription, as the Constitution or By-Laws of the said corporation shall appoint or require: provided always, that two-thirds of the Board of Directors of said corporation shall be practical manufacturers or mechanics.

SECTION 3. And be it enacted, That the objects of the said corporation shall be the encouragement and promotion of manufactures and the mechanic and useful arts, by the establishment of popular lectures upon the sciences connected with them; by the formation of a School of Design adapted to mechanical and manufacturing purposes; for providing a Library, Reading Room and a Cabinet of Minerals, Models, and Me-

chanical Apparatus ; for holding Annual Exhibitions or Fairs for articles of *American Manufacture*, and for offering Premiums, or awards for excellence in those branches of national industry, deemed worthy of encouragement ; by examining new inventions submitted for that purpose, and by such other means necessary for the accomplishment of their objects as experience may suggest.

SECTION 4. And be it enacted, That the affairs of the said corporation shall be conducted and managed by a President, a board of Directors, and by such other officers, and in such manner, as the Constitution or By-Laws of the same shall authorise and provide ; that such officers and directors shall be elected annually at a meeting of the said corporation to be held in the city of Baltimore on the second Wednesday in January ; and that until the second Wednesday in January, in the year one thousand eight hundred and fifty-one, the present Officers and Directors of the Society, to wit : JOSHUA VANSANT, President ; James Murray and Edward Needles, Vice Presidents ; Samuel Sands, Recording Secretary ; William Prescott Smith, Corresponding Secretary ; Thomas J. Clare, Treasurer ; and Josiah Reynolds, C. W. Bentley, John Feast, Jesse Marden, W. Abrahams, Thomas Trimble, William Rodgers, E. Whitman, Jr., D. M. Adams, Wm. Bayley, C. Conway, Robert Errickson, Samuel McPherson, William Fergusson, Isaac Brown, H. R. Hazlehurst, John F. Davis, James Young, William Peters, John T. Fardy, Samuel E. Rice, William Robinson, Ephraim Larabee and B. S. Benson, Directors, shall conduct the affairs of the said corporation conformably to the Constitution and articles promised and agreed to by the members previous to the passage of this act.

SECTION 5. And be it enacted that the duties and rights of the members of the said corporation, the power and functions of the officers thereof, mode of supplying vacancies in office, the time of meeting of said Corporation and of the Board of Managers, the number which shall constitute a quorum at any such meeting, the mode of electing members, the terms of their admission, the terms which shall justify their suspension or expulsion from the corporation shall be regulated by the Constitution and By-Laws of said corporation now existing, or hereafter to be made, which the said corporation is hereby authorised and empowered to make and alter in the manner which may be therein mentioned ; provided, that the said Constitution and By-Laws shall not be repugnant to or inconsistent with the Constitution or Laws of the United States or of the State of Maryland.

SECTION 6. And be it enacted, That the said corporation shall not issue any note, scrip or bill of credit to circulate as a currency.

SECTION 7. And be it enacted, That said act of incorporation shall inure for thirty years, and that the Legislature of Maryland reserves to itself the right to amend or repeal the same at pleasure.

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We hereby certify that the foregoing is a true copy of the Original Bill which passed both branches of the General Assembly of Maryland at December Session, eighteen hundred and forty-nine.

Given under our hands at the City of Annapolis, this fifteenth day of February, 1850.

GEORGE G. BREWER, Clerk House Delegates, Md.

JOS. H. NICHOLSON, Clerk Senate, Md.

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## AMENDMENT TO CHARTER.

ADOPTED JANUARY, 1852.

*AN ACT to alter and amend an Act incorporating the Maryland Institute for the Promotion of Mechanic Arts, passed December session, eighteen hundred and forty-nine, chapter one hundred and fourteen, so as to allow said Institute to establish a Department of Analytic Chemistry, and confer Diplomas upon Graduates thereof.*

SECTION 1. Be it enacted by the General Assembly of Maryland, That the Maryland Institute for the Promotion of the Mechanic Arts, for the purpose of extending its means of education, is hereby authorised to establish a Department of Analytic and Applied Chemistry, and to appoint a Professor, and as many adjuncts for said Department, as the requirements of the same may, from time to time, demand.

SECTION 2. And be it enacted, That the Maryland Institute shall have power to graduate students in Chemistry, and to grant diplomas to such as, after examination and recommendation by the professor, are worthy of the distinction.



**RESOLUTION OF THE GENERAL ASSEMBLY  
OF MARYLAND, granting an Annuity of \$500 to the In-  
stitute,—adopted February 8th, 1850.**

**BY THE HOUSE OF DELEGATES, }  
February 8th, 1851. }**

**WHEREAS**, the Legislature of the State of Maryland has evinced a disposition to encourage Agricultural labor, and has, by the appointment of a State Chemist, awarded to that branch of industry, the advantage of its aid in discoveries promotive to its profitable pursuit;—and whereas, the improvement and extension of the Mechanic Arts equally deserve the countenance and patronage of the State, and are alike conducive to individual happiness and State prosperity;—and whereas, acting under the influence of an enlightened spirit, the Legislature of Maryland at its December Session, 1829, by resolution No. 45, did contribute through its Treasury to the promotion of Mechanic Arts, which contribution was continued until by disasters the Maryland Institute, the then object of her bounty, ceased to exist;—and whereas, the Institute has been revived and is now in advance progress, and it is proper that its utility should be enlarged,—

*Resolved by the General Assembly of Maryland*, That the Treasurer of the State of Maryland be and is hereby directed, to pay annually to the President of the Maryland Institute for the Promotion of the Mechanic Arts, within one month after said Institute shall have held its annual exhibition, the sum of Five Hundred Dollars; *provided*, it shall be shown to the Treasurer that the said Institute is in efficient operation at the time of such payment.

By Order,

\_\_\_\_\_  
G. G. BREWER, *Clerk*.

*State of Maryland, to wit:*

Be it remembered, and we hereby certify, that the foregoing is a true copy of the resolution in favor of the Maryland Institute for the Promotion of the Mechanic Arts, which passed both branches of the General Assembly of Maryland, at December Session, 1849.

Given under our hands at the City of Annapolis, this 23d day of April, 1850.

GEORGE G. BREWER, Clerk House  
Delegates, Md.

JOS. H. NICHOLSON, Clerk Senate, Md.

# OFFICERS FOR 1852.'53.

---

PRESIDENT.

JOSHUA VANSANT.

Vice-Presidents.

WM. H. KEIGHLER,  
ADAM DENMEAD.

Recording Secretary.

SAMUEL SANDS.

Corresponding Secretary.

WM. PRESCOTT SMITH.

Treasurer of the Institute.

THOMAS J. CLARE.


Treasurer of the Hall Fund.

JAMES W. ALLNUTT.

MANAGERS.

B. S. BENSON,  
C. W. BENTLEY,  
W. ABRAHAMS,  
JOHN DUKEHART,  
THOMAS TRIMBLE,  
JAMES S. SUTER,  
GEORGE R. DODGE,  
WM. G. HARRISON,  
AND. FLANNIGAIN,  
JOSIAH REYNOLDS,  
WILLIAM BAYLEY,  
N. T. DUSHANE,

JOHN F. MEREDITH,  
F. A. FISHER,\*  
EVANS ROGERS,  
THOMAS STOW,  
CHARLES E. WETHERED,  
EDWARD NEEDLES,  
WENDALL BOLLMAN,  
WM. A. BOYD,  
WM. S. THOMPSON,  
SAMUEL E. RICE,  
WM. H. YOUNG,  
SAMUEL MARTIN.

 NOTE.—The seven chief officers are also Managers ex officio, and with the twenty-four others, constitute a Board of thirty-one Managers.

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\* At the July meeting of the Institute, Mr. Fisher resigned his seat in the Board, and Thos. J. Lovegrove was elected to fill the vacancy.

# Standing Committees for 1852-'53.

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## ON THE EXHIBITION.

ADAM DENMEAD, CHAIRMAN.

|                   |                    |
|-------------------|--------------------|
| JOHN F. MEREDITH, | THOMAS TRIMBLE,    |
| JAMES S. SUTER,   | C. W. BENTLEY,     |
| GEORGE R. DODGE,  | ANDREW FLANNIGAIN, |
| W. ABRAHAMS,      | THOMAS STOW.       |

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## ON SCHOOL OF DESIGN.

CHAS. W. BENTLEY, CHAIRMAN.

|                    |                 |
|--------------------|-----------------|
| WENDALL BOLLMAN,   | EDWARD NEEDLES, |
| NATHAN T. DUSHANE, | THOMAS TRIMBLE, |
| THOMAS J. CLARE,   | THOMAS STOW.    |

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## ON LECTURES.

WM. PRESCOTT SMITH, CHAIRMAN.

|                    |                      |
|--------------------|----------------------|
| ANDREW FLANNIGAIN, | EVANS ROGERS,        |
| SAMUEL MARTIN,     | THOMAS J. LOVEGROVE. |

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## ON THE LIBRARY.

WILLIAM BAYLEY, CHAIRMAN.

|                  |                   |
|------------------|-------------------|
| WM. H. KEIGHLER, | WILLIAM H. YOUNG, |
| JOHN DUKEHART,   | WM. G. HARRISON.  |

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## ON THE HALL.

GEORGE R. DODGE, CHAIRMAN.

|                  |                  |
|------------------|------------------|
| WILLIAM A. BOYD, | SAMUEL E. RICE,  |
| BENJ. S. BENSON, | JOSIAH REYNOLDS. |

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## ON THE CHEMICAL DEPARTMENT.

WILLIAM H. KEIGHLER, CHAIRMAN.

|                    |               |
|--------------------|---------------|
| WM. S. THOMPSON,   | SAMUEL SANDS, |
| CHAS. E. WETHERED, | ADAM DENMEAD. |

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## FINANCE COMMITTEE.

JOSHUA VANSANT, CHAIRMAN.

|                  |                      |
|------------------|----------------------|
| WM. H. KEIGHLER, | CHARLES E. WETHERED, |
| WM. G. HARRISON, | ANDREW FLANNIGAIN,   |

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ACTUARY—JOHN S. SELBY.

PROFESSOR OF DRAWING IN THE SCHOOL OF DESIGN.

WILLIAM MINIFIE.

# THE HISTORY OF THE

REIGN OF  
HIS MOST EXCELLENT MAJESTY  
CHARLES THE FIRST  
BY  
JAMES HALLAM, ESQ.

LONDON:  
Printed by J. Sturges, in Pall-mall.

1719.

IN TWO VOLUMES.

THE FIRST.

THE SECOND.

THE THIRD.

THE FOURTH.

THE FIFTH.

THE SIXTH.

THE SEVENTH.

THE EIGHTH.

THE NINTH.

THE TENTH.

## PREAMBLE TO THE CONSTITUTION.

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WHEREAS, the Mechanics, Manufacturers, Artizans and other citizens of Maryland, impressed with the importance of fostering the inventive genius of their countrymen, of exalting the character of the members of their respective professions, and of increasing the trade and business of the commercial mart of the State, and having associated themselves together; and obtained a charter from the Legislature of Maryland, under the name and title of the “MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS;”—to accomplish the the objects in view, have made provision :

1st. For holding an Annual Exhibition, where American Mechanics, Manufacturers, Inventors and Artists, and all who may have made any discoveries in the Arts and Sciences, may be enabled to exhibit the productions of their skill and ingenuity, in competition for the medals, diplomas, and other prizes which may be offered by the Institute for superiority.

2d. For examining and reporting upon the merits of new inventions and improvements whenever desired.

3d. For the formation of a School of Design, adapted to Mechanical, Manufacturing and Scientific purposes, in which the members of the Institute may be taught the art of Drawing and Designing, a branch of education so necessary in every business and profession connected with the Mechanic Arts.

4thly. For the establishment of Popular Lectures, on subjects mainly connected with Manufactures, Mechanics, and the useful Arts.

5th. For the formation of a Library and Reading Room, a Cabinet of Minerals, Models, and Philosophical and Mechanical apparatus.

6th. For establishing a School of Applied Chemistry, to be called the "Chemical Department of the Maryland Institute," where the science may be thoroughly taught in all its branches, under a Professor and Assistants.

In order to make the necessary provision, for effecting these desirable purposes, in obedience to the requisitions of the Charter, they have established the following Constitution and By-Laws for their government.

# THE CONSTITUTION.

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## ARTICLE I.—NAME AND OBJECT.

SEC. 1. This Association shall be known and designated as the “MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS.”

SEC. 2. The objects of the Institute shall be the promotion and encouragement of Manufactures, the Mechanic and Useful Arts—and the mental improvement of the industrial classes.

## ARTICLE II.—MEMBERSHIP.

SEC. 1. Any person may become a member of the Institute in the manner hereinafter provided for in the By-Laws.

SEC. 2. The members shall be divided into four classes, viz :—Members, Junior Members, Life Members, and Honorary or Corresponding Members.

SEC. 3. MEMBERS shall be over twenty-one years of age, and friendly to the objects of the Institute.

JUNIOR MEMBERS shall be minors, not younger than fourteen years of age.

LIFE MEMBERS shall be such persons as pay twenty-five dollars to the Institute for Life Membership.

HONORARY OR CORRESPONDING MEMBERS shall be persons of distinguished reputation, in connection with the objects of the Institute, or such as may have rendered it important service. They shall be elected by the Board of Managers, at their stated meetings, who shall report such election to the next stated meeting of the Institute. Two-thirds of those present shall be required to elect an Honorary Member.

## ARTICLE III.—OFFICERS.

SEC. 1. The Officers of the Institute shall be as follows : a President, two Vice Presidents, a Recording Secretary, a Corresponding Secretary, a Treasurer of the Institute, a Treasurer of the Hall Fund, and Twenty-Four Managers, the whole comprising a Board of Managers, thirty-one in number—at least two-thirds of whom shall be practical Manufacturers or Mechanics, residents of the City of Baltimore.

SEC. 2.—*Treasurer's Bond.*

The Treasurers shall each give bond for the faithful discharge of their respective duties, in the sum of \$2000, with one or more securities, to be approved by the Board of Managers, said bonds to be renewed annually in cases of re-election, and in all cases to be given or renewed within 10 days of the election of either or both of the officers.

## ARTICLE IV.—MEETINGS.

SEC. 1. Monthly meetings of the Institute shall be held on the Second Wednesday of each month.

SEC. 2. Special meetings shall be called by the President, on application of the Board of Managers, or at the written request of twelve members.

SEC. 3. At the stated monthly meeting in April the Annual Reports of the Treasurers, Board of Managers, &c. shall be read.

SEC. 4. The Annual Meeting of the Institute, for the election of officers, shall be held on the third Wednesday in April, when no other business shall be in order.

SEC. 5. In default of an election at the annual meeting, the existing officers shall continue in office until others are properly elected.

## ARTICLE V.—QUORUM.

SEC. 1.—*Of the Institute.* Any fifteen members present at the time and place appointed for holding the annual, special, stated and adjourned meetings, shall constitute a quorum

for the transaction of the ordinary business of the Institute, but thirty members shall be required to be present at all meetings for the election of any officer or officers.

SEC. 2. All business shall be considered ordinary, except a proposition to dissolve the Institute, which shall be considered extraordinary, and shall require a majority of all the members to constitute a quorum for its consideration.

SEC. 3. Notice of extraordinary business shall be given at least three months previous to that in which it is to be discussed.

SEC. 4.—*Of the Board.* At all stated or first adjourned stated meetings of the Board of Managers, nine members shall constitute a quorum for the transaction of business.

#### ARTICLE VI.—MEMBERS' FEES.

SEC. 1. Members, on their election, shall pay to the Actuary an initiation fee of Two Dollars, and an annual subscription of Three Dollars, payable in advance on or before the first day of September in each and every year.

SEC. 2. Junior members, on their election, shall pay to the Treasurer an initiation fee of one dollar, and an annual subscription of one and a half dollars. They shall be entitled to such privileges, except that of voting—and subject to such regulations as the Institute or Board of Managers may determine.

#### ARTICLE VII.—ELECTIONS.

SEC. 1. No member shall be entitled to vote if in arrears with his subscription; and in no case shall members be entitled to the benefits of the Institute unless they have complied with the requirements of the Constitution and By-Laws.

SEC. 2. All nominations of elective officers for the annual election must be made at the stated meeting in March, or at least one month previous to the time of election; nevertheless, nominations may be made on the night of the second Wednesday in April, provided a majority of the members

present concur in a motion to that effect,—but no nomination shall be made upon the night of the annual election, except by unanimous consent;—and no election shall be valid, without the party shall have been duly nominated as herein provided. An election to fill vacancies caused by death, resignation or otherwise, may be had at any stated meeting of the Institute.

SEC. 3. All officers of the Institute shall be elected by ballot; and in case of plurality of candidates, the lowest shall be withdrawn after each ballot succeeding the third.

SEC. 4. The presiding officer shall have no vote while in the chair, except in case of a tie, of an election by ballot, or when the yeas and nays are called.

SEC. 5. In all elections for officers of the Institute, a majority of the whole number of votes cast shall be necessary for a choice; *provided* there be at least thirty votes cast in each ballot at an annual or other election of officers.

#### ARTICLE VIII.—MANAGEMENT.

The Board of Managers shall have the management of the funds of the Institute, and all matters of finance connected therewith, and shall employ its revenues on the following objects, viz:

*First.* In providing an Annual Exhibition of the productions of American skill and industry, to be held in the city of Baltimore.

*Second.* In affording at all times every reasonable facility for the trial and examination of such new inventions and improvements as may be submitted to the Board for that purpose.

*Third.* In conducting a School of Design, adapted to mechanical, manufacturing, artistic and scientific purposes.

*Fourth.* In the establishment of popular Lectures on subjects connected as far as practicable, with manufactures, mechanics, and their collateral sciences.

*Fifth.* In the formation of a Library and Reading Room, a Cabinet of Minerals and Models, and Philosophical and Mechanical Apparatus.

*Sixth.* In fostering the Chemical Department of the Institute.

#### ARTICLE IX.—COMMITTEE ON INVENTIONS, IMPROVEMENTS AND DISCOVERIES.

SEC. 1. At the first Stated Meeting of the Institute in each and every year after the Annual Election, a Standing Committee on Inventions, Improvements and Discoveries, to consist of nine members, shall be elected by ballot, who shall serve until their successors are elected, and who shall perform the following duties:

##### SEC. 2.—*Their Duties.*

It shall be the duty of this Committee to take charge of all special applications to the Institute and Board of Managers for the trial, examination, or investigation of any new invention, improvement, or any scientific or mechanical discovery. They shall proceed at once after such application has been referred to them to make a full investigation of the subject, or appoint other and suitable skilful persons from the Institute to make such investigation or examination, as may be necessary in order to arrive at a full and explicit conclusion as to the merits of the case, which examination shall be made under their supervision, and the results of which in every instance shall be made known to the Board in a written and detailed report signed by themselves and the parties called in by them, which reports must set forth briefly the *reasons* that influenced their determination, and recommend such action in the premises by the Board in the form of resolutions, as they may deem proper.

No inventor or other person interested in the issue of an investigation shall be present while it is under the committee's consideration, except at their special invitation, and in cases

where there may be rivalry, all parties interested shall have the same privileges.

ARTICLE X.—INCOMPETENCY OR UNFAITHFULNESS.

SEC. 1. Officers found incompetent for, or unfaithful in the discharge of their duties, shall be removed by a vote of a majority of the members present at any regular or stated meeting.

SEC. 2. The Board of Managers may, and they are hereby authorised to declare the seat of any of their number vacant after an absence from the Board of three consecutive stated meetings, and report the same to the Institute, except in cases where leave of absence shall have been granted by the Board in advance. The Institute shall fill the vacancy in the manner hereinbefore provided.

ARTICLE XI.—BY-LAWS AND RULES OF ORDER.

By-Laws and Rules of Order for the government of the Institute, may be made or amended at any stated or special meeting, provided two-thirds of those present concur therein.

ARTICLE XII.—ALTERATION OF THE CONSTITUTION.

To alter or amend this Constitution, notice of the proposed amendment shall be given at any stated meeting of the Institute, but it shall not be acted upon until the next or a subsequent meeting.

## ARTICLE V.—DUTIES OF THE STANDING COMMITTEES.

SEC. 1.—*Duty of the Committee on Exhibition.*

It shall be the duty of this Committee to make all the necessary arrangements for holding the Annual Exhibition of American Manufactures, at such time as the Board may designate. They shall have power to make all necessary contracts and disbursements, to carry out fully the object of the Institute in holding the Exhibition. They shall have prepared such gold, silver and bronze medals, diplomas, or other awards, as the Board may direct, as premiums for the first, second and third class American productions, of superior merit, to be determined by competent and impartial judges, and awarded by the Committee on Awards. They shall classify the articles exhibited, and shall nominate, subject to the approval of the Board of Managers, judges on the several classes, and as soon after the opening of the Exhibition as possible, afford them the best opportunity for their examinations. They shall make explicit reports in writing of their proceedings at each stated meeting of the Board until the close of their duties.

SEC. 2.—*Duty of Committee on School of Design.*

It shall be the duty of the Committee on School of Design to make the necessary arrangements for opening the same, not later than the third week in November, and continue it open four months. They shall employ competent teachers to take charge of the School; establish rules and regulations for its government, and have the entire control thereof. They shall be personally present as much as possible during the session, see that the rules and regulations are observed and enforced, and afford such aid to the officers of the school as may be required. They shall make written reports to the Board at each stated meeting held during the time they are arranging for and conducting the School, and also a full report

at the close of the session, detailing the results of their operations, for the year, and showing the progress made in that Department.

*SEC. 3.—Duty of the Committee on Lectures.*

It shall be the duty of the Committee on Lectures to make arrangements for, and to conduct a course or courses of Lectures, to commence in November, to be delivered at such times and place as they may determine, and make monthly reports in writing upon their preparations and arrangements.

*SEC. 4.—Duty of the Committee on the Library.*

It shall be the duty of the Committee on the Library to purchase all suitable books, maps, &c. to the extent of the funds appropriated. They shall see that the Librarian performs the duties required of him. They shall make such rules and regulations, for the government of those who visit the Library rooms, as they may deem expedient and proper. They shall see, from time to time, what books are out of order, or require re-binding, and have the same put in order. They shall make monthly written reports to the Board, of their operations, and upon the condition of the Library.

*SEC. 5.—Duty of the Committee on the Hall.*

The duty of the Committee on the Hall shall be, to take charge of the Institute's Building, to adopt the necessary means for keeping it in repair, and rent it from time to time, as demand may be made for it. They shall report to each meeting of the Board all the rentals of the Hall, and present monthly a written statement of the same, with their receipts and expenditures.

*SEC. 6.—Duty of the Committee on the Chemical Department.*

The Committee on the Chemical School shall extend a general supervision over its affairs, and confer at all times with the professor in the management of the Laboratory, reporting to the Board monthly the operations and condition of their Department.

SEC. 7.—*Duty of the Actuary.*

It shall be the duty of the Actuary to attend at and take charge of the Hall of the Institute, see that it is kept in proper and comfortable order, and opened and closed at such hours as the Board of Managers or Committee on the Hall may direct. He shall have charge of the Library, the Cabinet of Minerals, Models, philosophical and mechanical Apparatus, &c. and be responsible for the safe keeping of the same. He shall also have charge of the books of the Institute and Hall, and under the direction of the Board or the Finance Committee, keep them in such manner as will at all times show the exact state of Institute and Hall Funds, and make monthly reports of the same to the Board of Managers. He shall keep a correct record of all the members, alphabetically arranged; receive and credit each with the amount of dues annually paid; issue the annual tickets, and notify all new members of their election. He shall pay over to the Treasurers from time to time, as the Board of Managers may direct, all moneys by him received, and make monthly reports to the Board of the same. It shall be his duty at all times when called upon by any of the special or standing committees, to confer with them, and render them as far as lays in his power, all information and assistance in the arrangement or settlement of the affairs of the Hall or Institute, and at all times, as circumstances may arise, in view of which he has not authority to act, shall apply to the next meeting of the Board for instruction.

He shall give Bond in the sum of Five Thousand Dollars for the faithful performance of his duties, with two or more sureties, to be approved by the Board. He shall perform all other duties required of him by the Standing Committee or the Board of Managers.



# RULES OF ORDER.

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## RULE I.

The following shall be the order of business at each meeting of the Institute:

1. The President shall take the chair at the appointed hour and call the meeting to order.

2. The minutes of proceedings of the last preceding meeting read and considered, except at special meetings, when the business for which the Institute was convened shall be first in order.

(Same as to minutes of special meetings.)

3. Proposal of candidates for membership, and election of the same.

4. Reading of correspondence.

5. Announcement of donations.

6. Report of Board of Managers, Treasurers, &c. read and considered.

7. Reports of special committees read and considered.

8. Disposition of deferred or unfinished business.

9. Resignations considered.

10. New business.

## RULE II.

Should the foregoing order of business not be completed at any one meeting of the Institute, the order shall be resumed at the next meeting, where it stopped at the previous meeting, except that the first five branches of the foregoing order shall be called at each meeting.

## RULE III.

The President, while presiding, shall state every question coming before the Institute, before suffering debate thereon, and, immediately before putting it to vote, shall ask, "Is the Institute ready for the question?"

## RULE IV.

When the decision of the President on points of order is appealed from, he shall state his decision, and the reasons therefor, from the chair. The party appealing shall then briefly state the reason for his appeal. The question, when taken, shall be put thus, "Shall the decision of the chair stand as the judgment of the Institute?"

## RULE V.

Every member, while speaking, shall confine himself to the question under debate; and avoid all personality and indecorous language.

## RULE VI.

Should two or more members rise to speak at the same time, the chair shall decide who shall have the floor.

## RULE VII.

No member shall disturb another in his speech, except to call him to order.

## RULE VIII.

If a member, while speaking, shall be called to order, at the request of the chair he shall cease speaking, and take his seat until the question of order is determined, when he may again proceed, in order.

## RULE IX.

No member shall speak more than once on the same question until all the members wishing to speak shall have an opportunity so to do, nor more than twice, without permission of the Institute.

## RULE X.

All resolutions shall be reduced to writing, if required, before the President shall state the same to the Institute.

## RULE XI.

When a blank is to be filled, the question shall be taken first upon the highest sum or number, and the longest time proposed.

## RULE XII.

Any member may call for a division of a question when the sense will admit of it.

## RULE XIII.

When a question is before the Institute, no motion shall be received, unless to adjourn, to take the previous question, to lay on the table, to postpone indefinitely, to postpone to a definite time, to refer, or to amend; and they shall have precedence in the order herein arranged, the first four of which shall be decided without debate.

## RULE XIV.

If a motion to adjourn be adopted, and the Institute has not previously resolved on the adjournment, to meet at a particular period, the effect of the motion shall be to adjourn to the next regular meeting.

## RULE XV.

The motion to take the previous question, may be made by any two members, and shall be put in this form, "shall the main question be now taken?" and if adopted, the effect shall be to bring the meeting to a vote upon the question pending at the time the previous question was called for. If such question was an amendment to an original proposition, the vote shall be taken upon the amendment first, and next upon the original proposition as amended, or not, as the case may be, and if the question pending is an amendment to an amendment, the question shall be first taken on the last amendment, and so down to the original proposition.

## RULE XVI.

The effect of the motion to lay upon the table, if adopted, shall be to prevent the question being taken up again on the same evening without a two-third vote.

## RULE XVII.

No resolution which has been rejected, shall be renewed at the same meeting, unless reconsidered as provided for in the 18th rule.

## RULE XVIII.

Any question which has been indefinitely postponed, shall not be renewed at any time before the next monthly meeting, and then only upon the condition as explained in the next rule.

## RULE XIX.

All votes, other than on amendments to the By-Laws or Rules of Order, or indefinite postponement, may be reconsidered at the same or next regular meeting, upon a motion made and seconded by two members who voted in the majority, provided the Institute agree thereto; but after a motion to reconsider has once been lost, it shall not be renewed.

## RULE XX.

Every member present shall vote on all questions before the Institute, unless incapacitated under the provisions of the Constitution and By-Laws.

## RULE XXI.

A motion to excuse a member from voting shall be put without debate.

## RULE XXII.

When a motion has been declared carried or lost by the usual manner of voting, any member, before the Institute proceeds to other business, may call for a count.

## RULE XXIII.

All reports of committees shall be in writing, and when read to the Institute, shall be considered as accepted, without a vote, unless objection be made thereto.

# RULES OF ORDER

FOR THE GOVERNMENT

## THE BOARD OF MANAGERS.

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1st. The times of Meeting of the Institute, shall govern the meetings of the Board.

2d. The President of the Institute shall be Chairman of the Board, and in his absence a chairman pro tem. shall be chosen.

3d. Nine members shall constitute a quorum at all stated and first adjourned stated meetings—but at other meetings thirteen shall be necessary.

4th. At the appointed hour of stated meetings, the chairman shall call the Board to order, when the roll shall be called, and all absentees fined  $12\frac{1}{2}$  cents.

5th. Members who shall appear within ten minutes after roll call, shall be exempted from fine—all others appearing after that time shall be fined  $6\frac{1}{4}$  cents.

6th. The first business after roll call shall be the reading and approval of the proceedings of the previous meeting—then Unfinished Business—Correspondence—Donations—Reports of Standing Committees—Reports of Special Committees—and New Business.

7th. No member shall speak more than twice on any subject, nor longer than 5 minutes at any one time, without special permission of the Board.

8th. When a member is addressing the chair on any subject, the members shall observe silence.

9th. When a subject is under consideration no motion shall be made, but to adjourn, lie on the table, postpone, to amend, or the previous question.

10th. A motion for the previous question, to adjourn, or to lie upon the table shall always be taken without discussion.

11th. In voting on any question, the chairman shall always give the casting vote, if there is a tie.

12th. The funds collected for fines shall be safely kept by the chairman, and the Board shall, at its last meeting previous to a new election, dispose of them as it may please to determine.

13th. Absence from the city, or personal or family sickness shall be a sufficient excuse for non-attendance.

13th. The Board shall be governed by the Rules of Order of the Institute in all cases unprovided for herein, and in cases where no rule of the Institute has been provided, the ordinary parliamentary usage shall prevail, as collated by Cushing.

## THE INSTITUTE'S HALL.

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The following description of the Hall of the Institute, was originally prepared for the *Scientific American*, in which journal it appeared in October, 1851. As the building was then in an altogether unfinished state, the article has been modified to suit its present complete appearance.

### THE GREAT MECHANICS' HALL AT BALTIMORE.

We have already noticed in our paper the rapid progress made by the "Maryland Institute for the Promotion of the Mechanic Arts," and have alluded, also, to the great building just erected by that flourishing society for its important purposes. As this building is now complete in all its parts, and as it deserves, from its extent and the laudable objects to which it is to be appropriated, more than an ordinary notice, we have gathered, through the officers of the Institute, the following particulars:—The site of the Hall is a very eligible one, fronting as it does on Baltimore street, (the Broadway of the Monumental City,) and within two or three hundred yards of the Merchants' Exchange, Post Office, and City Hotel. The lot is that on which the head section of the old Centre Market stood, and has a sixty foot front, with a depth of three hundred and fifty-five feet to Second street. The basement story of the building, is a Tuscan Arcade, having seventy pilasters, with capacious archways, affording free access to the market, to the purposes of which this story is still devoted. The pilasters, on each side of the building, are finished with cast iron imposts and archivolts of an appropriate design, corresponding with the finish on Baltimore street, where Connecticut brown stone is used for the first story. This market department is said to be the most complete and capacious in the United States. It has a twenty-feet ceiling, supported by one hundred neat cast iron columns in two rows. The butchers (by whom it will be occupied two mornings in the week,) design fitting it up in the most tasteful and appropriate style.

The Halls of the Institute, though over the market, and supported by the same foundation, are entirely separated from it. So well, indeed, has this been done, that a stranger might enter the Institute many times with-

out knowing that there was an extensive market house beneath it. The main entrance to the Institute, is by a large archway in the centre of the building on Baltimore street, where you ascend a double flight of steps, fifteen feet wide, to the first floor. On a broad platform, half way (ten feet) up this flight, there are ticket offices on either side. A spacious vestibule is reached at the head of these stairs, on either side of which, is a large office or dressing room. The grand stair hall, on this floor, is twenty-five feet square, at the back of which, is a large meeting or reception room, fifty-five by thirty-six feet, with a fourteen foot ceiling. Directly in front of the landing, at fifteen feet distance, is a doorway twelve feet wide, opening into the grand saloon; this room, "in the clear," is two hundred and fifty, by fifty-five feet, with a thirty-two and a half foot ceiling. It has twenty windows, ten on each side, which are each seventeen and a half by seven, and a grand promenade gallery, seven feet wide on the sides, and ten feet at each end of the room, running entirely around it, at a height of fourteen feet from the floor, and supported by eighty strong and beautiful iron brackets, set into the walls. Thus the necessity of obstructing the main floor by pillars or columns, or of using suspension rods, is entirely avoided, and the floor is left entirely free and clear—the largest clear floor in America. This great room is finished in a simple but really beautiful style. The fresco painting upon the ceiling and walls, is one of the most artistic specimens of that kind of work that can be found any where. The design is chaste and architecturally appropriate, and the colors are rich and well blended. In order to render this room fit for concerts or public speeches, due care has been taken. A beautiful cove is placed in the cornice, which has much improved its acoustic properties. Though not containing as much ornament as some of our public halls, it is thought that, as a whole, this is the finest Ball or Exhibition Room in the country. Some two thousand persons may promenade the handsome galleries, while four thousand more may be seated, or six thousand could easily stand upon the main floor, making its capacity, in any event, very great.

On a level with the floor of the grand saloon, there are, in each of the end buildings, (see cut) large rooms, and above them are other large rooms, on a level with the gallery floor of the grand saloon. There is, in each of the end buildings, another floor still, with rooms equally as large as those below them.

The stair hall, on Baltimore street, contains a double flight of steps to the second and third floors. By means of the gallery, and the end rooms of the building, an ambulatory of eight hundred feet circuit is afforded, being nearly an eighth of a mile. The gallery itself, in the saloon, is fully six

hundred feet in circuit. This second floor, on a level with the gallery, is divided into three rooms for offices, committee rooms, refreshment rooms or other necessary uses. The third floor of the front building, contains a very large room, (fifty-five by thirty-three feet,) with a twenty-two foot ceiling, which contains the Library of the Institute, and in which light iron galleries will be placed, at a height of twelve feet, when the increase of the Library requires. This beautiful room, as well as the Stair Hall, and all the smaller rooms at the north end of the house, are finished in the same elegant style with the Grand Saloon. Adjoining the library room, on this floor, and on either side of the stair-head, is a fine large room for reading classes, or retiring rooms. The grand stair hall, is lighted by an appropriate glass dome on the roof.

At the other end of the building, on Second street, there are three floors also; as already mentioned, all communicating with the grand saloon. These rooms, each fifty-five by forty feet, are to be used for the display of all working machinery, and such heavy articles as may be deposited at the Institute Exhibitions; and also, as the design rooms of the "School of Design." On the first floor, is placed a thirty horse-power steam engine and approved boiler, through which the motive power is derived at the Exhibitions. A large hoist-way, with an apparatus that will raise five tons at a time, has also been provided. At this end of the building, two flights of stairs have been placed, leading to the street, for private uses, and by which an additional mode of egress is afforded to the immense audiences that throng the house. We will not undertake to add an estimate of the capacity of these various apartments, so numerous and so large, to that of the grand saloon; but the reader will not lose sight of the immense space contained in the building, after leaving the saloon out of view altogether. Besides all these apartments, the roof contains a store room two hundred and sixty feet long by twenty feet wide, and eight feet high. The whole building is brilliantly lighted at night with gas. The grand saloon, alone, contains about one hundred and sixty lights, arranged in two rows, upon handsome brackets with glass shades, around the face of the galleries. This arrangement will display the great size of the room to advantage, and afford a pleasing relief to the eye, dispensing, as it does, with the glare of light concentrated by the chandelier plan of lighting.

We have now given a hasty outline of the interior, and will add a few words upon the outside appearance of the building.

The style is Italian, of that type known to architects as the Astylar,

and embodies the novel application or combination of several features which may be called American. There is a striking architectural beauty and unity about it, though the architect was much restricted in presenting a complete structure, by several considerations that were forced upon him by peculiar circumstances. The end buildings, on Baltimore and on Second streets, are 75 feet high to the top of the cornice. The main saloon portion, which is between these higher ends, is fifty-four feet high to the crown moulding, or seventy feet to the apex of the roof. A beautifully proportioned cupola rises from the Baltimore street end, seventy feet high above the cornice, making an entire height of 145 feet. The cupola will contain an illuminated clock, and a space for a large city bell below it. The end on Second street, has a look-out, or a projection from the centre of the roof, twenty-five feet high, and in character with the finish at the other end. The central roof (over the saloon,) is finished with three small elevations at the peaks, that break its straight appearance, and answer the purpose of assisting the ventilation.

The walls are very heavy, and of the best Baltimore brick, laid flush. It has been painted with four coats of oil paint, to correspond in color with the brown stone of the basement on Baltimore street. The ash-erling of this stone is of finely pointed work, and the mouldings, capitals, cornices, &c., are rubbed. The numerous windows in the building, are trimmed with much fine work that adds very materially to the splendor of the outside. The roof is a most durable one, covered with large and excellent slate, of the best quality. The very best materials have been used throughout the building, and great care has been observed in insuring strength and durability. The foundation is as sound as a rock, the house being built upon six hundred and fifty large piles driven home, and firmly braced on the heads with immense timbers, surmounted again by six feet of solid masonry. The number of brick used in the building, is about 1,750,000. The cost of the whole building is about \$105,000.

The representation on the cover of this Constitution, gives but a meagre outline of this magnificent building. It does not fairly exhibit the finish of the arches, the cornices, the windows, the roof, or the cupola.

For the plan and details of their great edifice, the Institute is indebted to the practical skill and fine taste of Mr. Wm. H. Reasin,\* one of its members, a practical builder, who has undertaken the profession of an architect. Mr. Reasin is yet a young man, and bids fair to establish an honorable fame in that beautiful science to which he has devoted himself.

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\* Now of the firm of Reasin & Wetherald, Architects.

The superintendence of the erection of the Hall, devolved upon Mr. Josiah Reynolds, one of Baltimore's most popular builders.

The general business management and control of the work, was entrusted to a building committee of seven managers of the Institute, who have performed their highly responsible and delicate duties in a creditable manner, and deserve great praise for having put up this splendid structure. Their names are Wm. Bayley, (chairman,) Josiah Reynolds, Benj. S. Benson, W. Abrahams, Sam'l E. Rice, Edward Needles, and Thomas Trimble.

## EXTRACTS FROM THE CLOSING ADDRESS,

DELIVERED BEFORE THE INSTITUTE, AT ITS FOURTH EXHIBITION, NOVEMBER 19th, 1851, BY THE PRESIDENT, JOSHUA VANSANT, Esq.

*Ladies and Gentlemen:*

Honored by the members of the Maryland Institute with the office of President, it is my duty to announce to this intelligent assembly, the names of those to whom awards have been made, and the character of those awards, for their superior excellence in their several arts. It cannot be expected that all who have honored our Exhibition with works of skill, can be gratified with the decisions of the Judges in the various classifications of articles, any more than can the infallibility of human judgment, be relied upon. The Managers of the Institute selected as arbiters those who are of acknowledged integrity as well as skill and judgment, and who, not being Exhibitors, could not be supposed to be influenced by considerations of private interest. In the discharge of the onerous duties which devolved upon them, many articles of merit have been overlooked, but, I am sure, that they have endeavored to perform faithfully and impartially, the trust reposed in them: if, therefore, they have omitted to notice all the articles of marked excellence, or have given decisions differing from the judgment of others, it is the part of charity to award to them the merit of honesty of purpose.

\* \* \* \* \*

The brilliant scene now presented, carries me back to a period when Institutions of a character kindred to the Maryland Institute were first organized in America, and a few remarks, therefore, may be appropriately indulged in, to render in part justice to those who have meritoriously pioneered us in the

formation, and in the carrying out of the noble purposes of the Maryland Institute. As the organ, on this occasion, of that body, I feel at liberty to speak in the plural, and to say, that we do not claim for ourselves all the credit which promises to attach to an enterprise, foreshadowing such glorious results, but freely award the full measure of praise to those, who at an earlier day, conceived, and for a time successfully carried out the noble purposes of institutions tending to the advancement of the Mechanic Arts, and the sciences connected therewith.

In the year 1822, a few of the public spirited citizens of Philadelphia, aroused by the labors of Doctor Birckbeck and Lord Brougham in behalf of the mechanical industry of England and Scotland, convened for the purpose of forming a Society for the cultivation and encouragement of the Mechanic Arts, and for imparting instruction to those engaged at such labor; but, from various causes, their efforts failed of success. The more zealous advocates of the system, however, resolved upon the expedient of calling a town meeting, with the view of awakening their fellow-citizens to the importance of the measure, and, accordingly, on the 5th of February, 1824, a meeting was held at the County Court House, at which a series of resolutions favoring the project were adopted, as was also a Constitution for the government of the Association.

From that period may be fairly dated the organization of the "Franklin Institute of Philadelphia," being the first Institute of that character which had been, up to that time, successfully established in the United States. Its first Fair was held in October, 1824, and its twenty-eighth Exhibition has just closed. Every department of society has realized the benefits conferred by that Institution. The admirable system of conducting its operations, has been the guide for other similar institutions in this country, and is still worthy of emulation.

It was not long after the Franklin Institute went into operation, that our enterprising and popular townsman,—John H. B. Latrobe, (then but little more than a stripling,) determined upon the formation of a similar institution at Baltimore, and being encouraged in the prosecution of his project by Fielding Lucas, Jr. and others, a meeting was called for that purpose in the year 1825, and the first Maryland Institute for the promotion of the Mechanic Arts, was then organized. On the 10th of January, 1826, it was incorporated by the Legislature of Maryland, and in the preamble to the Act are inserted the names of the Officers and of the Board of Managers—to wit: President, William Steuart; Vice-Presidents, George Warner, Fielding Lucas, Jr.; Recording Secretary, John Mowton; Corresponding Secretary, Dr. William Howard; Treasurer, Samuel Hardin; Managers, James H. Clark, John D. Craig, D. G. McCoy, Jacob Deems, Solomon Etting, William H. Freeman, Benjamin C. Howard, Moses Hand, William Hubbard, William Krebs, Thos. Kelso, Robert Cary Long, John H. B. Latrobe, Peter Leary, William Meeteer, James Mosher, Hezekiah Niles, Henry Payson, Wm. Roney, Joseph K. Stapleton, Wm. F. Small, James Sykes, James R. Williams and Samuel D. Walker.

On the 6th of Nov. 1825, that Institution held its first Exhibition of articles of American manufacture, in a building in South Charles street, then known as "Concert Hall," and its second one at the same place in the year 1827. The members of that intelligent body believed that more could be accomplished for the Mechanical portion of the community, by keeping up, during all seasons of the year, courses of instruction through the medium of practical lectures, than by expending their means in exhibitions. They accordingly secured the services of the most intelligent men of the State in lecturing upon all subjects having a connection with the Mechanic Arts; and to aid the lecturers in the illustration

of their respective subjects, the Institute caused to be procured from France, philosophical apparatus, not surpassed in extent and quality, by any of the kind in this country. It had also acquired a library for the use of its members, comprising works upon the sciences, mechanics and literature.

The members of that Institute continued their labors with much assiduity and with great success, until 1835. On the 7th of February of that year, the Athenæum, then located at the south-west corner of St. Paul's and Lexington streets, which building the Institute occupied in part, was consumed by fire, and the entire properties of the old Maryland Institute were burned. This lamentable circumstance was so discouraging in its influences that it produced a speedy dissolution of an institution which had, during an existence of ten years, been productive of great public benefits. Its membership registered seven hundred and seven, comprising much of the intelligence, public spirit, and skill of Baltimore.

The major part of those who were of that body, have been bound by the hand of death, and laid in their "narrow halls." To their memories should be awarded the tribute of praise which gratitude claims for those who have finished well their task, and left the heritage of a good example, and rich fruits, the seeds of which they had sown for posterity. Of the surviving members, I am most happy to recognize in the category of the members of the present Institute—John H. B. Latrobe, Joseph K. Stapleton, Fielding Lucas, Jr., Samuel Childs, Jesse Hunt, Joseph King, Jr., Joseph Barling, John Rogers, and many others favorably known to this community.

Youth is the season of enthusiasm; it is impulsive, ardent, and quick to catch hold on objects which invite full scope for the faculties of the mind, or the physical energies; but when we see enrolled among our energetic members those who have reached a green old age, and who can scarce have a

hope to enjoy, in their day, the fruits for which they now toil—when we recognize in our council such men as Joseph K. Stapleton and John Rogers, we must be more than ever convinced, that the objects of the Maryland Institute deserve the employment of the best energies of its members, as the ends have commanded the favor and patronage of the public. To John H. B. Latrobe, who devoted, successfully, the energies of his mind to form the old Maryland Institute, and lent his aid in the organization of the existing institution, I offer, in the name of my co-workers, the assurance of a grateful appreciation of his services.

At the period of the formation of the original Maryland Institute, Baltimore contained a population of about seventy thousand souls. The mechanical and commercial enterprise of the inhabitants thereof, and their reputation for probity in business pursuits, have increased the population to more than one hundred and seventy thousand, while its continued advance in population, in wealth, and in all that is calculated to characterize it as a great city, is no longer a problem, but a result, as certain as that attainable by the action of the principles of science.

On the 30th of November, 1847, a call was issued signed by Benjamin S. Benson and sixty-nine others, for a meeting to be held at Washington Hall, of all persons favorable to forming a Mechanics' Institute. In pursuance of the invitation, a meeting was held on the evening of the 1st of December proximo, at which Jesse Hunt was called to the chair, and J. B. Easter appointed secretary, after which John H. B. Latrobe delivered an address explanatory of the purposes for which the meeting had been convened. Even then doubts were entertained, by some of the friends of the measure, as to the ability of successfully effecting the object of the meeting; and evincive of those doubts, a motion was made, and seconded, to unite with a most praiseworthy Institution, then just establish-

ed, and styled "The Association for the Encouragement of Literature and Arts." But those who were more sanguine, believed that the isolation of the object, was indispensable to its success ; that the purpose for which they had assembled, appealed to their public spirit and their pride of independence as a great industrial class ; and challenged their undivided energies in the cause ; and thus believing they refused to sanction the motion. At this meeting, eighty names were enrolled, and a committee was appointed to draft the form of a Constitution for the government of the body then assembled. On the 22d of the same month, the committee made a report to an adjourned meeting, and the Constitution submitted was unanimously adopted. The first election for officers and a board of managers, took place on the 12th of January, 1848. On the 19th of the same month, the board of managers met and organized. With a proper spirit, the new Maryland Institute commenced its career. Its first exhibition was at Washington Hall, in the month of October, 1848. At the same, there were four hundred and fifteen depositors or exhibitors of articles. The gross receipts, from admissions to the fair, amounted to three thousand one hundred and sixty-three dollars ; number of members, two hundred and seventeen. The second fair was held at the same place, in 1849. Depositors—four hundred and sixty ; gross receipts—three thousand three hundred and twenty-four dollars ; members—three hundred and twenty-three. The third fair was held at the same place in 1850. Depositors thereat—nine hundred and fifty-one ; gross receipts five thousand six hundred and four dollars ; members—six hundred and ten. Ladies and Gentlemen, you are present at the Fourth Annual Exhibition of the " Maryland Institute for the Promotion of the Mechanic Arts," and in the Hall dedicated to American invention, skill, and industry, and, I think, I may truthfully add, to American glory and independence.

After the first year of the formation of the Institute, the

managers of the same were ceaseless in their efforts to procure a suitable site for the construction of a building adapted to all the purposes of the body they represented ; but no locality could be secured that did not present obstacles discouraging to the enterprise. I except him who has the honor of now addressing you, when I say, that the managers, who had, from time to time, been most judiciously selected by the Institute, were a fair representation of the intelligence, energy, and sagacity of the Mechanics of Baltimore, and their labors, as the agents of that great body of their fellow-citizens, are meritorious of confidence and favor. But in the midst of the useful, was the mind that stirred the ashes of the old Maryland Institute until it rose, Phoenix like, with a renewed animation, and a redoubled strength, from its long rest ; there was the man, whose hard hands, muscular frame, and face scarce cleared of the smut of toil, indicated that he had, in the eating of his bread, faithfully obeyed the edict of God, but did not disclose the inventive genius, the sagacity, or the sleepless energy of Benjamin S. Benson. To that gentleman, modest in his pretensions, yet great in the honored essentials of conception and execution, are we indebted for giving to the existing Institute the first breath of animation, and of conceiving the idea of constructing a Hall, to facilitate its noble purposes, on the site of the upper Centre Market.

The enterprise of constructing the building, owes much to the citizens, who, having at heart the success of the Institute, and possessing confidence in the integrity of its members, subscribed liberally to stock in the Hall. The Mayor and City Councils of Baltimore, which assented to the use of the site, and appropriated fifteen thousand dollars towards the construction thereon of a handsome, commodious, and permanent market place to the great beautifying of the City in that part, which most needs the hand of improvement, eminently deserve the confidence and admiration of their constituency. To the

liberal owners of stalls inside of the market house, as well as to the occupants outside of the same, great merit should be attributed for the zeal which they manifested in behalf of the undertaking, and for the ready aid which they rendered during the progress of erecting the building.

\* \* \* \* \*

The present condition of the Institute evidences the most prudent and wise management, and also the appreciation and encouragement of a discerning and liberal public. There are now attached to it, one hundred and fifty-six life members—nine hundred and seventy senior members, and seven hundred and seventy-five junior members, making a total of nineteen hundred and one, being an increase in membership, since the last exhibition, of twelve hundred and ninety-one. The proceeds of the present exhibition exceed twelve thousand dollars. Depositors or exhibitors of goods, two thousand forty-one, being ten hundred and ninety more than there were at the last or any former exhibition.

The objects of the Institute having been so often defined, that it would be profitless to you, as well as a tax upon your patience, if I were to attempt a full explanation of the matter. There is one department, at least, to which the public has given such general approval and commendation, and which promises such gratifying results, that I cannot, without much injustice to the senior and junior members of the Institute, pass unnoticed :—I mean that department which opens to the membership the School of Design. To all engaged in Mechanics, and to the apprenticed Mechanic in particular, is thus offered an opportunity for learning those branches in drawing, which are not only of the greatest importance and utility, but which are indispensable to a perfection in Mechanic Arts. There are nearly eight hundred junior members of the Institute. They are young men meritorious because of their exemplary characters, and because of their desire so to improve

themselves, as to render their labors advantageous to society as well as to themselves. These young men are not content with the performance of the mere physical task allotted to them by their parents or masters, but they have evinced a determination to understand the *rationale* of their calling, and to make themselves, in every essential, the *masters* of *art*. My life upon it, that they will, as a body, make better men—better citizens, and more skilful and more prosperous mechanics, than any corresponding number of young men in this City, outside of the membership. Does not a system which promises to accomplish so much good, challenge the support of every good citizen? Is it not a great public benefaction?

\* \* \* \* \*

I need not enumerate the many varied and increasing uses to which the science of Chemistry is now applied for the convenience, economy, and profit of the world. It extends its benefits so generally to all the industrial and refined occupations of man, as to render a knowledge of it an indispensable part of education. To say nothing of its importance as regards the intellect, its agency to society has been one of beneficence exceeding that of the greatest charity. Besides extending its assistance to the promotion of arts, it ameliorates the evils of sickness by its additions to the *Materia Medica*; and by exposing the noxious prescriptions of the ignorant, and substituting curative remedies, stays even the agency of death. No one can tell what may yet be the result of investigations in Chemistry. No one can define its limit. “It is a searching agent which exposes the errors of those who blunder in the studies of nature—a confirmer of truths—a spirit that dives into the deep bosom of the earth, and reveals her riches—that soars into the high regions of the heavens, and brings away its lightnings—that, light-like, penetrates everywhere, and, like light, clears away all obscurities.”

We must not, therefore, while enjoying the profitable issues

of this science, hesitate to foster its advance so that it may keep pace with the requirements of the times. It becomes us to have our own oracle to proclaim precepts in science ; our own school for the education of our members. The artisan must be taught the *rationale* of his processes, so that he may work understandingly. Since a School of Chemistry is so essentially an adjunct of an Institute for the promotion of the Mechanic Arts, it becomes the duty of ourselves and the public, to co-operate liberally with the committee already raised for the accomplishment of that purpose, in creating the fund necessary for its erection. This can only be accomplished by free-will offerings, as the means of the Institute have nearly been exhausted in the construction of this Hall.

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The Institutions which are around and about us, dedicated to purposes of human improvement, will in their tendencies uplift the spirit of man and place each one upon a common platform with his fellow. To my brother mechanics, in particular, I appeal to avail themselves of the opportunities which are thus presented for their advancement in all that is useful and honorable. Mechanics of America, I invoke you to adopt the sentiments and profit by the precepts of the distinguished Edward Everett, of Massachusetts—"Respect your calling; respect yourselves. The cause of human improvement has no firmer or more powerful friends. In the great temple of nature, whose foundation is the earth; whose pillars are the eternal hills; whose roof is the star-lit sky; whose organ tones are the whispering breezes and the sounding storm; whose architect is God; there is no ministry more sacred than that of the intelligent Mechanic."

My task is nearly done. Thus far the progress of the Maryland Institute towards the accomplishment of its great purposes has been more rapid than its most sanguine friends anticipated. The benefits already realized by the community

since its organization have, in the happiness which springs from a consciousness of having performed a service promotive of public good, more than repaid its most active members, for the time and toil consequent upon its management.

For the Institute, I thank the ladies and gentlemen of the State of Maryland, and of the City of Baltimore, for their patronage and encouragement. The triumphant accomplishment of the objects of the Maryland Institute is for the future. To that end I pledge the faithful labors of its members; and to that end also, ladies and gentlemen, a continuance of your co-operation is earnestly solicited.

# A LIST OF THE

## ANNUAL MEMBERS

### OF THE

## INSTITUTE FOR 1852.

( OR FROM SEPTEMBER 1ST, 1852, TO SEPTEMBER, 1ST, 1853. )

*Made up to 1st October, 1852.*

#### A.

Adams, D. M.  
 Anderson, J. M.  
 Arnold, Francis  
 Abbott, E. A.  
 Anderson, Thos. D.  
 Abrahams, Woodward  
 Adams, John C.  
 Addison, Sam'l S  
 Abbott, Horace  
 Amos, James  
 Amos, Dr Corbin  
 Armstrong, J.  
 Alnutt, Jas W.  
 Adair, John  
 Atwell, R. H.  
 Addison, George C.  
 Allen, James  
 Adams, John T.  
 Axer, John  
 Arnold, George  
 Adkisson, William  
 Atkinson, David  
 Ames, Hudson N  
 Adams, Thomas B.  
 Addison, John D.  
 Andrews, R. Snowden  
 Atkinson, George  
 Armager, John  
 Albaugh, Henry C.  
 Acton, S. G.

#### B.

Benson, Benj. S.  
 Brown, Isaac  
 Balderston, Jacob  
 Bartlett, D. L.  
 Barnes, John H.  
 Biddle, Peregrine,  
 Bierbower, L.  
 Brown, John S.  
 Belt, Thos. H. jr.  
 Butler, Samuel  
 Brodbeck, Wm.  
 Bollman, Wendall  
 Bull, Isaac  
 Brown, Jehu  
 Boyd, Wm. A.  
 Barnes, John H.  
 Ballard, L. E.  
 Blass, Wm. H.  
 Browning, John W.  
 Boyd, J. Howard  
 Bectol, Samuel  
 Brooks, Rodney R.  
 Burgess, Thomas H.  
 Brown, Mathew J.  
 Brown, William A.  
 Baker, R. J.  
 Barry, George E.  
 Burn, James M.  
 Belt, Hickman  
 Brewer, Nicholas

Burnett, Samuel  
 Bell, Thomas  
 Bates, James  
 Bevans, R. A. L.  
 Bouldin, William  
 Bosley, E. M.  
 Brown, Robert, jr.  
 Bruce, Robert  
 Bannerman, J. B.  
 Brown, William  
 Bonsall, Louis  
 Bennett, Benjamin F.  
 Blake, Joel N.  
 Bowen, Wm E.  
 Bond, James H.  
 Burford, C. C.  
 Benson, William  
 Brand, Alexander J.  
 Bordley, S. C.  
 Barnes, Winston  
 Busch, Henry  
 Bouldin, Alex. J.  
 Beck, Thomas  
 Broughton, P. W.  
 Bird, Joseph A.  
 Beacham, Silas  
 Boyd, George S.  
 Bayley, Edwin  
 Bangs, Charles  
 Barber, W. E.  
 Barber, S. W.  
 Billmeyer, Joseph

Betton, Thomas W.  
 Barling, Joseph, Sr.  
 Beacham, Wm.  
 Boury, Edward A.  
 Buchanan, W. C.  
 Bromby, Joseph  
 Bolton, Henry  
 Bankard, Joseph J.  
 Brown, Samuel Sr.  
 Barling, Henry A.  
 Balderston, Josiah  
 Barstow, Joshua  
 Bier, Jacob  
 Biggs, Robert,  
 Battee, R. N.  
 Bines, Robert  
 Brice, Wm. N.  
 Bonn, Anthony  
 Bailey, Lewis E.  
 Bruce, John M.  
 Brown, George W.  
 Burchall, Thomas W.  
 Brice, N. C.  
 Babb, Prof. T. D.  
 Benson, John P.  
 Bradley, Wm. C.  
 Brooks, William  
 Barnitz, Covington D.  
 Beacham, John S.  
 Balderston, O. H.  
 Brashears, John B.  
 Bromley, John L.  
 Bartholomew, Joseph  
 Bickel, Philip F.  
 Barling, Joseph, jr.  
 Burke, Wm. T.  
 Boyd, F. H. B.  
 Bilson, Samuel  
 Barrett, Francis O.  
 Brown, Levi K.  
 Bartol, James L.  
 Bevan, Thomas  
 Bowers, Rufus K.  
 Black, John  
 Blair, L. P.  
 Bond, Daniel C.  
 Barton, William N.

## C

Clare, Thomas J.  
 Cox, John R.  
 Cochrane, John  
 Coles, William  
 Cariss, Samson  
 Cloud, C. F.  
 Cross, Richard J.

Cortlan, James  
 Curlett, John, jr.  
 Cole, Wm. P.  
 Caldwell, Wm. Q.  
 Child, Samuel  
 Cohen, Jacob I.  
 Crawford, William  
 Clendinen, Robert  
 Cook, John F.  
 Caskey, Robert  
 Cathcart, Wm. H.  
 Codd, Edward J.  
 Carter, Clement  
 Coale, S. Robinson  
 Clackner, G. F.  
 Crawford, Wm. H.  
 Cooke, George  
 Cook, John T.  
 Clark, Levin P.  
 Crummer, E. A.  
 Cook, Isaac P.  
 Chandler, Edwin  
 Chiffelle, Thomas P.  
 Cohen, Doct J. I.  
 Chester, William  
 Carter, Jesse  
 Conaine, Lewis  
 Cohen, Israel  
 Carson, S R.  
 Coleman, Capt  
 Cooper, Samuel  
 Caughey, Benjamin  
 Cotterell, Clark  
 Cummins, John  
 Caughey, J. H.  
 Chadburn, John  
 Clotworthy, W. P.  
 Campbell, John F.  
 Crane, Dr. W. B.  
 Cragg, Henry  
 Crocker, C. W.  
 Cockran, B. W.  
 Cherry, T. F.  
 Cox, William  
 Cobb, Josiah  
 Carroll, Henry J.  
 Camp, James L.  
 Champlain, J. Bond  
 Cooper, John H.  
 Chapson, D. S.  
 Clark, George T.  
 Carlile, James H.  
 Christy, Robert  
 Crookshank, John  
 Clendenin, Dr. Alex.  
 Clackner, Joseph  
 Chappell, P. S.

Childs, Samuel Jr.  
 Chestnut, Capt. Saml  
 Carroll, Thomas  
 Coughlan, William  
 Coale, Nathan  
 Clark, James G.  
 Christopher, Josiah  
 Cruser, Isaac  
 Cooper, Hugh A.  
 Carter, Duras  
 Cole, James W.  
 Cunningham, W. Amos  
 Carroll, Charles C.  
 Cowles, Henry M.  
 Clautice, George, jr  
 Clarke, Richard T.  
 Carman, M.  
 Conrad, G. M. Jr.  
 Cox, Jennings S.  
 Cummings, Walter B.

## D.

Daffin, Benjamin  
 Daniels, Walter  
 Denmead, Talbot  
 Davis, John R.  
 Dixon, Thomas  
 Dunlap, Charles  
 Davis, George A.  
 Duvall, A.  
 Duncan, H. W.  
 Dushane, Nathan T.  
 Dukehart, John  
 Dailey, John  
 Deitz, John B.  
 Dungan, Stevenson  
 Doane, Jabez W.  
 Dukehart, J. P.  
 Dungan, A. S.  
 Daugherty, Edward  
 Danskin, Washing'n A.  
 Dorsey, J. L. W.  
 Dobler, George  
 Dude, Frederick W.  
 Darlington, Howard  
 Dix, J. F.  
 Day, William S.  
 Daffin, Robert S.  
 Diffenderffer, Henry  
 Davis, Henry Winter  
 Daiger, Matthias A.  
 Denny, John  
 Done, John H. (Somerset County)  
 Day, Jacob  
 Davis, Dr Charles S.

Davis, William T.  
Dawes, J. L.  
Dunn, Michael  
Dorsey, Wm. H. G.  
Downs, John  
Dunbar, Dr J. R. W.  
Duvall, Wm. B.  
Dellahay, Edward H.  
Dare, Wm. H.

## E.

Emory, Samuel  
Ellicott, Benjamin H.  
Emich, David J.  
Eareckson, Vincent O.  
Eisenbrandt, C. H.  
Emery, John B.  
Ellicotts, Evan T.  
Ely, John N.  
Evans, George  
Ellicott, Wm. M.  
Etchburg, John F.  
Easter, Hamilton  
Emery, Charles L.  
Eldridge, Robert  
Evans, Thomas  
Eareckson, Federal  
Essender, Dr. James  
Eichelberger, E. M.  
Ebaugh, David  
Eastman, J. S.  
Emory, William H.

## F.

Ferguson, William  
Fulton, James  
Fardy, John T.  
Feast, John  
Fulton, L.  
Fowler, Francis  
Fales, Nathan  
Foy, James  
Friese, Philip C.  
Flannigain, Benjamin  
Foreman, T. E.  
Fink, Albert  
Ferguson, J. H.  
Forrester, William  
Furlong, John  
French, Andrew  
Friend, Alfred  
France, Capt. Richard  
Ferrandini, Cipriano  
Frailey, Leonard  
Farren William H.

Foreman, Valentine  
Forsyth, David J.  
Fowler, John K.  
Fairbank, William J.

## G.

Gardner, James  
Gardner, Alfred S.  
Grape, Henry  
Golder, James C.  
Gatch, Conduce  
Gorsuch, Jehu  
Gaehle, Henry  
Gates, Ezra  
Gaskins, Samuel S.  
Griffith, G. S.  
Gill, Jabez  
Gilpin, James S.  
Gable, John  
Grice, Edward L.  
Gill, Noah  
Gittinger, Benjamin F.  
Getty, James  
Gross, J. F.  
Gorsuch, Wm G.  
Graves, Edward B.  
Gosnell, Philip H.  
Gambrill, H. N.  
Gale, Robert E.  
Gelbach, George, jr.  
Gott, Jackson C.  
Green, H. T.  
Green, Nathan G. B.  
Green, Amon  
Gray, Charles E.  
Griffiss, T. J.  
Gordan, J. B.  
Guintert, Conradt  
Gregory, Joseph  
Gody, Thomas  
Gilbert, Lewis Y.  
Gambrill, Thomas  
George, James  
Gover, G. P.  
Griffin, Elias P.  
Griffin, Thomas D.  
Gillingham, Geo. H.  
Graham, John  
Green, Joseph D.  
Geise, J. Henry  
Gootee, George S.  
Glanville, J. W.  
Getty, Robert  
Gallagher, Chas R.  
Gross, Jacob  
Gwinn, Chas J. M.

Green, Charles B.  
Godman, Thomas S.  
Gover, Gerard  
Gilpin, Thomas H.  
Green, George W.  
Gore, John W.  
Giles, William Fell  
Grove, Francis  
Gibson, George  
Garland, James  
Gamble, Thomas  
Griffith, Edward L.  
Gardiner, Thomas H.  
Groves, David

## H.

Hunt, Jesse  
Harrison, Jos. O.  
Hazlehurst, H. R.  
Hoss, John F.  
Haskell, John H.  
Hays, Samuel J.  
Hull, William  
Hays, Robert  
Horn, Matthew  
Holden, Enoch P.  
Hill, John H.  
Hibbard, Israel  
Hogg, William  
Holland, John C.  
Hunt, G. H.  
Hindes, Samuel  
Hildebrandt, Herman  
Holloway, Charles  
Hawkins, Charles  
Hindman William  
Herring, J. Q. A.  
Hale, Joseph A.  
Hindes, Moses G.  
Hawley, G. K.  
Herzog, John  
Hincks, Samuel  
Howard, Robert  
Howard, William  
Hambleton, T. E. jr.  
Howell, D. C.  
Holmes, Robert S.  
Hopkins, William  
Heusler, John F.  
Hollins, J. Smith,  
Hollins, Robert S.  
Henniberger, William  
Hart, Samuel  
Hughes, Thomas S.  
Hambleton, T. E.  
Hollins, Cumberl'd D.  
Hooper, Robert

Howser, Jacob R.  
 Hetzell, John G.  
 Heath, Dr. H. W.  
 Hodges, Benj N. jr.  
 Heald, William  
 Hardesty, John G.  
 Hensel, Philip  
 Henderson, James  
 Hulls, John  
 Hopkins, John L.  
 Hanna, John H.  
 Hartley, Joseph  
 Hiss, John F.  
 Hodgkinson, John M.  
 Harris, James H.  
 Hill, Dr Jos H  
 Hadel, Dr J. F. C  
 Henkle, Ferdinand  
 Herzberg, Philip  
 Hughes, John F  
 Hell, Richard  
 Hooper, Augustus D.  
 Hazel, Henry  
 Haslup, Rezin  
 Herr, Michael  
 Hoy, Alexander  
 Hartshorn, Joshua  
 Hull, Robert  
 Hart, William J  
 Hill, Wm. B.  
 Hinesly, John  
 Harrison, William G.  
 Hayward, Ely B.  
 Hayes, John Lewis  
 Harrison, Z. G.  
 Helm, John F.  
 Holloway, Edward  
 Holtzman, John D.  
 Hardesty, John E.  
 Hickman, Nathaniel  
 Hiss, C. D.  
 Hank, J. B. P.  
 Hess, Dr Frederick  
 Henderson, James  
 Herzog, Valentine  
 Hopkins, D Meads  
 Hudnall, Milo F.  
 Hurtt, Henry N.  
 Hurst, John  
 Hunt, J. W.  
 Henrickson, Saml W.  
 Haslup, Leroy F.

## J.

Jacobs, James M.  
 Jenkins, James W.

Jeffreys, Thomas R.  
 Jockel, Conrad  
 James, Henry  
 James, Thomas  
 Jamet, Edward  
 Irons, Emanuel  
 Jones, J. B.  
 Johnson, William H.  
 Jarboe, John R.  
 Johnson, Robert  
 Irvin, John A.  
 Johnson, William R.  
 Ives, Wm. M. Sr.  
 Jackson, James  
 Johnson, James  
 Jackson, James R.  
 Jones, Thomas  
 Jones, John  
 Ijams, John  
 Jarrett, Henry C.  
 Johnson, James  
 Jannette, La Fevre  
 Johnson, Wm. Henry  
 Johnson, Philip Jr.  
 Jenkins, Henry W.  
 Ing, John H.  
 Jarvis, Richard B.  
 Irving, Thomas J.  
 Ing, Charles

## K.

Kennedy William W.  
 Knabe, William  
 Kennedy, Michael  
 Kane, George P.  
 King, Joseph  
 Keighler, William H.  
 Kridler, John T.  
 Kalbfus, Daniel  
 Klinefelter, Jesse  
 Krebs, Henry W.  
 Kennard, George J.  
 Kinnaird, Alexander  
 Kreis, G. W.  
 King, James T.  
 Keys, Benjamin C.  
 Kernan, Edward  
 Klare, John B.  
 Kerr, Robert  
 Kelso, Thomas  
 Kelso, John Thomas  
 Keener, Charles H.  
 King, F. W.  
 Kirker, John  
 Kahlert, Henry  
 Kelso, John R.

## L.

Lawton, John L.  
 Lucas, Fielding Jr.  
 Lee, S. S.  
 Lucas, John W.  
 Larabee, Henry C.  
 Leslie, Robert  
 Lovegrove, James  
 Laws, J. T.  
 Latrobe, Benjamin H.  
 Lee, Elisha  
 Lavender, Benjamin A.  
 Lucas, James  
 Long, Lewis S.  
 Levering, Dr. James  
 Logan, James H.  
 Lamb, Thomas P.  
 Lanning, William N.  
 Lutz, John S.  
 Larkey, John  
 Lapouraille, A. P.  
 Lamden, Edward S.  
 Lang, James  
 Leffler, Daniel F.  
 Lycett, George  
 Lynch, John S.  
 Levering, A. J.  
 Lamden, Thomas J.  
 Lyon, John H.  
 Lycett, William C.  
 Levering, Clinton  
 Lawson, James  
 Lee, John W.  
 Lucas, Charles Z.  
 Long, Richard D.  
 Lovejoy, Samuel  
 Lowndes, J.  
 Leloup, Charles A.  
 Loney, Robert W.  
 Lambdin, John  
 Lewis, Stephen  
 Lewis, Martin  
 Luttig, Philip  
 Lloyd, B. Rush  
 Lusby, Edward R.  
 Lee, James F.  
 Lenz, C. W.  
 Lester, Thomas  
 Lannay, Lewis F.  
 Lansdale, Francis A.  
 Lester, Samuel T.  
 Ladmore, Thomas  
 Lamb, Francis F.  
 Lee, George  
 Lloyd, J. S.  
 Lyons, William H.

## M.

McMullen, John  
 Martin, Samuel  
 Mullen, Philip H.  
 McPherson, Samuel  
 Murray, James  
 Miller, Enoch  
 Marden, Jesse  
 Murray, J. (millwright)  
 Miller, William  
 McKim, William  
 McKim, Haslett  
 Merrill, James H.  
 Mohler, Edward  
 Matthews, Joseph  
 Manning, J. C.  
 Matthiott, Augustus B.  
 Morris, Charles T.  
 McPherson, James  
 Mety, Richard A.  
 Merchant, Joseph A.  
 Martin, David  
 Matthews, Samuel H.  
 Maughlin, William M.  
 Millholland, R. D.  
 Miller, John P.  
 McKim, John S.  
 Murdoch, Richard  
 Matthews, Thomas  
 Marley, Richard  
 Mitchell, E. T.  
 Mills, S. S.  
 Middleton, Robert  
 Mahaney, John  
 McClees, Ellis B.  
 McWilliams Daniel J.  
 McCubbin, Charles T.  
 Moore, William T.  
 Martin, John J.  
 Murray, William J.  
 Mettee, William H.  
 McMurray, John  
 McClymount, Wm. Jr.  
 Mathers, James  
 Merryman, George  
 McCanahan Reuben  
 McElderry, Hugh  
 Moody, John B.  
 McNeal, A. L.  
 Morse, Thomas W.  
 McDonald, C. S.  
 Martin, Thomas H.  
 McClellan, William H.  
 Miles, Richard D.  
 McPhail, William  
 McMiller, George G.  
 Massie, Dr. William R.

McCourt, A.  
 Montgomery, Samuel  
 Morris, John B.  
 Muller, James N.  
 McAllister, Capt. Rd.  
 Mason, Richard  
 McNeal, Lloyd  
 Millholland, John G.  
 Miller, A. H.  
 May, Edward  
 McMurray, James  
 Millington, John N.  
 Miller, Francis A. Jr.  
 Merritt, Jacob  
 Milnor, John P. Jr.  
 Moke, George W.  
 McHenry, James  
 Milliken, James  
 Mankin, Rinaldo T.  
 Merrick, R. T.  
 Matthews, Thomas J.  
 Miller, Christian  
 McNeal, James  
 Macomber, Gideon  
 Mitchell, Edward  
 McComas, James A.  
 McComas, Isaac T.  
 Moore, John H.  
 McDowell, R.  
 Mann, Ernest  
 Miller, John T.  
 Mitchell, George  
 Morton, Washington  
 Mitchell, James  
 Montgomery, Wm. S.  
 Meacham, Randall  
 Marston, L. W.  
 Moore, David M.  
 Macall, Dr.  
 Mace, Carville V.  
 Martin, David A.  
 Moran, Dr. John J.  
 Marshall, Henry  
 Millis, Laertis O.  
 McNable, James  
 Moore, J. Faris  
 Mercier, Charles H.  
 Mankin, Henry  
 Muller, Louis  
 McDonald, Alexander  
 Maxwell, John  
 Moon, Edward H.  
 Markland, William T.  
 Montgomery, James  
 Morrison, James  
 Mason, William, Jr.  
 Myers, John

McMacken, John  
 Medtart, H. C.  
 Martin, William E.

## N.

Needles, E. M.  
 Newman, Wm. W.  
 Ninde, James C.  
 Needles, Charles E.  
 Neely, R. W.  
 Nalls, Benjamin F.  
 Nicholson, Edwin  
 Norman, James R.  
 Nougues, Joseph  
 Nichols, Warren  
 Neilson, George  
 Neale, George  
 Nizen, Thomas A.  
 Neale, Francis  
 Norris, James  
 Northerman, C.  
 Needles, John  
 Newell, Peter  
 Nichols, R. H.  
 Norwood, Lambert S.  
 Nichols, William J.  
 Numsen, John W.

## O.

Odell, James H.  
 Oliver, William  
 Orndorf, John H.  
 Onion, Edward D.  
 Oetinger, Moses  
 O'Brien, Matthew  
 Orrick, John C.

## P.

Peters, William  
 Phillips, William M.  
 Poole, Robert  
 Packie, Alexander  
 Porter, Robert B.  
 Preston, William P.  
 Parr, James L.  
 Pope, Franklin T.  
 Pollock, Henry  
 Patten, William, Jr.  
 Pennington, J.  
 Perine, Maulden  
 Pope, George A.  
 Phillips, Joshua T.  
 Phillips, Isaac  
 Peters, William C.

Phillips, James T.  
 Parks, James H.  
 Phillips, Solomon H.  
 Payne, James  
 Placide, Henry  
 Peters, William H.  
 Porter, George W.  
 Palmer, George M.  
 Phillips, A.  
 Peregoy, Caleb  
 Parkhurst, G. T.  
 Parkhurst, S.  
 Perry, Allen A.  
 Petherbridge, Edwd. R.  
 Plummer, John T.  
 Peregoy, Robert Henry  
 Passeay, J. A.  
 Piet, J. B.  
 Phillips, T.  
 Porter, Henry  
 Prentice, Summer  
 Placide, Matthew P.  
 Pitt, Thomas J.  
 Perkins, Dr. E. H.  
 Purcell, John J.  
 Purden, Furgus  
 Priestly, Howard  
 Phillips, John  
 Phenix, Thomas  
 Primrose, W. G.  
 Posey, John P.  
 Parker, William  
 Pyfer, Philip H.  
 Parks, Lloyd B.  
 Potter, James  
 Page, William  
 Patter, Richard  
 Perkins, P. L.  
 Perry, B. A.

## Q.

Quail, George K.

## R.

Rowe, Spencer, Jr.  
 Rodgers, John  
 Robinson, E. K.  
 Robinson, William  
 Rodgers, Wm.  
 Reasin, W. H.  
 Rodgers, George H.  
 Rogers, Evans  
 Reeder, Charles Jr.  
 Russell, Wm  
 Reese, Henry  
 Reynolds, Israel C.

Raymond, Saml. W.  
 Robb, John A. Jr.  
 Robinson, Francis  
 Reip, Laurence J.  
 Reynolds, R. N.  
 Rosenwig, E.  
 Robinson, Thomas H.  
 Ring, Dr. Hamilton  
 Rutledge, William  
 Rea, John E.  
 Rooney, Patrick  
 Rhodes, Henry  
 Reynolds, Chas. A.  
 Reitz, Philip  
 Robins, Benjamin  
 Reynolds, Jesse K.  
 Rodenmayer, F. T.  
 Richardson, George J.  
 Raymo, Lewis  
 Rheim, Jonah G.  
 Russell, John  
 Roberts, Dr. G. C. M.  
 Rosenberg, G.  
 Robinson, Benj.  
 Russell, Michael  
 Reindollar, J. T.  
 Reese, Andrew  
 Roche, Michael  
 Roney, John  
 Rosenfeld, Simon  
 Reynolds, B. R.  
 Rains, Charles H.  
 Russell, John A.  
 Rogers, James S.  
 Robinson, Charles  
 Rea, John H.  
 Russell, Alexander  
 Reynolds, V. Dewit C.  
 Reilly, George  
 Richardson, Edwd. A.  
 Ross, Edwd. C.  
 Russell, John  
 Richardson, W. E.  
 Ring, David  
 Roberts, Joseph  
 Redche, D. E.  
 Rush, Thos. Jefferson  
 Rosenberg, Abraham  
 Ring, Moses  
 Root, Henry R.  
 Ridgely, Chas. D.  
 Ritter, Chas. W. Jr.  
 Reddish, John H.  
 Rupp, Wm. H.  
 Reese, Edward  
 Remly, George W.  
 Ryan, John

Reed, Edward W.  
 Root, Daniel  
 Robertson, Alexander  
 Rogers, Edwd. L.  
 Roberts, J. McLain

## S.

Stapleton, Jos. K.  
 Smith, Samuel  
 Saunders, J. Mowton  
 Shannon, J. P.  
 Smith, Wm. Prescott  
 Small, David B.  
 Stansbury, Elijah  
 Seeger, Jacob H.  
 Shoemaker, W. S.  
 Shriver, J. A.  
 Sisson, Hugh  
 Snowders, Henry  
 Suter, James S.  
 Stewart, Joseph W.  
 Schaeffer, F. Littig  
 Stow, Thomas  
 Sykes, James  
 Stran, Wm. H.  
 Sparhawk, S.  
 Simms, Joseph  
 Starr, Benj. F.  
 Shephard, Moses  
 Schoolfield, L. A.  
 Sexton, S. B.  
 Smith, Henry C.  
 Smith, Thomas  
 Stewart, Glendy  
 Starr, George W.  
 Starr, John A.  
 Stevenson, Jos. L.  
 Seemuller, Augustus  
 Stanley, John  
 Shipley, L. G.  
 Slade, Edward  
 Selby, John S.  
 Sherwood, Wm. S.  
 Street, Thomas  
 Spies, John G.  
 Smith, Dr. G. B.  
 Schoffield, B.  
 Smith, Thomas T.  
 Smith, Henry M.  
 Sterrett, James  
 Shurtz, W. D.  
 Shaw, J. L.  
 Searley Charles R.  
 Stanley, John P. E.  
 Shoemaker, J. M.  
 Shaw, Matthew

Shoemaker, John  
 Stansbury, Wm. J.  
 Starr, Joseph  
 Slater, James  
 Servary, Lewis  
 Shaw, Wm. S.  
 Shaw, Wm. T.  
 Swift, M. C.  
 Stewart, James V. D.  
 Stockett, J. Shaff  
 Streeter, S. T.  
 Swatka, F. A.  
 Sprague, E. R.  
 Starr, Edward G.  
 Steifel, Julius  
 Street, Thomas  
 Scheib, Jacob  
 Startzman, David  
 Stone, James H.  
 Spies, Charles L.  
 Sheets, James M.  
 Stewart, John  
 Silke, J. Freeman  
 Shanks, Thomas  
 Shrote, Wm. T.  
 Smith, J. Christian  
 Stewart, Thomas  
 Sullivan, John C.  
 Simpson, John R.  
 Sitler, Morris  
 Sinclair, Robert, Jr.  
 Sutton, James L.  
 Super, Daniel  
 Solomon, Isaac  
 Sharp, A. P.  
 Stewart, W. A.  
 Street, Thomas  
 Standy, Edwin  
 Schwartz, Julius  
 Stewart, Wm. C.  
 Stevens, George G.  
 Street, John C.  
 Spedden, Edward  
 Sayler, Frederick  
 Sehmayer, S.  
 Soper, Edward  
 Shipley, Charles E.  
 Summer, John S.  
 Sloan, George T.  
 Sylvester, Thomas H.  
 Shultz, Samuel  
 Shakespeare, Edward  
 Smyth, William  
 Snow, E. H.  
 Saisfield, Stephen J.  
 Slicer, William  
 Shuler, Arnold

Sanderson, Col. Henry  
 Sweany, John H.  
 Simmonds, Dennis

## T.

Townsend, Samuel  
 Thomas, Joseph B.  
 Tyson, Isaac Jr.  
 Tegmeyer, J. H.  
 Trump, Charles  
 Trump, Newbold C.  
 Taylor, Robert Q.  
 Turner, John C.  
 Tyler, G. C.  
 Trott, Wm. H.  
 Trotton, Thomas  
 Tishmeyer, L.  
 Tall, William  
 Taylor, Wm. S.  
 Turner, J. Maybury  
 Tyson, John P.  
 Trego, William  
 Trayser, Philip P.  
 Trimble, John C.  
 Taylor, Levi  
 Taylor, Henry  
 Tail, Joseph  
 Taylor, Robert A.  
 Timanus, John T.  
 Forney, P. J.  
 Thorpe, W. W.  
 Temyer, Frederick  
 Tracy, P. J.  
 Turner, Robert  
 Tull, Thomas J.  
 Talbott, William A.  
 Tilyard, A. H.  
 Thomas, Dr. John C.  
 Thompson, S. T.  
 Toole, John E.  
 Tollard, William  
 Thomas, John  
 Thomas, James P.  
 Tyson, George  
 Thompson, A. D.  
 Tennant, Thomas  
 Tewksbury, G. D.  
 Taylor, William  
 Tanner, Benjamin  
 Thruston, M.  
 Tilyard, H. W.  
 Talbott, W. F.  
 Towson, Obediah

## U.

Uhler, Erasmus  
 Upshaw, J. M.  
 Uhlhom, F. J.

## V.

Vansant, Jo-hua  
 Virdin, Captain W. W.

## W.

White, Thomas P.  
 Wisong, William A.  
 Waite, R. C.  
 Wright, Joel  
 Wilson, Robert  
 Wells, John  
 Webb, George W.  
 Woodydy, Richard H.  
 Whitman, E. Jr.  
 Winans, Ross  
 Wethered, John  
 Welch, John  
 Woodcock, Jesse  
 Wright, William E.  
 Wilson, John H.  
 Wickersham, John  
 Wilson, Samuel  
 Warner, Andrew E. Jr.  
 Wright, William  
 Wheedon, James C.  
 West, Charles  
 Watson, James T.  
 Worley, Adam  
 Wright, John W.  
 Waters, George W.  
 Williams, George A.  
 Warfield, Alfred P.  
 Walker, Charles W.  
 Wood, James H.  
 Westwood, Henry Clay  
 Wilks, Jabez  
 Winkleman, John W.  
 Webb, Gustavus  
 Warford, R. C.  
 Weaver, John H.  
 Witman, George  
 Wheat, John B.  
 Warder, George A.  
 Wilson, P. T.  
 Waskey, Benjamin  
 Watkins, John T.  
 Welch, Warren  
 Welch, John B.  
 Wales, S. H. (N. Y.)

Walker, John W.  
Walker, John  
Whittney, Thomas M.  
Warden, James  
Wolf, Adam  
Winter, William P.  
Wetherald Samuel B.  
Webb, James  
White, Thomas  
Wolf, Jacob  
Williamson, Angus  
Wethered, Charles E.  
White, John C.  
Ward, Nathan  
Wonderly, John  
Woodward, Wm.  
Watson, Wm. H.  
Walsh, Thomas  
Weitzell, John

Webb, Albert L.  
Woollen, Thomas  
Watson, Charles  
Watkins, Evan  
Wentz, S. H.  
Wetherald, Thomas  
Winkelman, H.  
Weitzell, Thomas  
Wright, Daniel  
Warner, Andrew, E. Sr  
Williams, N. F.  
Wilson, James B.  
Watkins, Joseph P.  
Wyatt, J. G.  
Ward, James  
Williams, Dr. W. J.  
Webb, George  
Wisong, Jacob  
Willis, B. F.

Wheeler, James C.  
Williams, William

## Y.

Young, James  
Young, John  
Young, Joshua  
Younger, F. A.  
Young, William H.  
Yarrington, John  
Young, William G.  
Yeates, Dr. J. L.

## Z.

Zimmerman, George J.

## JUNIOR MEMBERS.

## A.

Anderson, William  
Ashton, C. Wm. Jr.  
Achey, Chas. F.  
Albison, John H.  
Atkinson, Sam'l  
Ardin, Francis  
Addison, G. C. of Sam'l  
Allison, Robert H.  
Aitken, Alex. M.  
Armstrong, John Jr.  
Addison, William W.  
Anderson, J. F.  
Anderson, Oliver  
Arlslager, Frederick  
Albright, J. P.  
Armstrong, R. D.  
Adams, George  
Adams, John A.  
Allen, Charles  
Addison, Wm. M.  
Alnutt, S. E.  
Ault, Edward  
Atkinson, Thomas F.  
Austin, Alex. R.  
Applegarth, John W.  
Anderson, Winfield S.  
Anderson, Clifford C.

## B.

Bandel, George L.  
Ballard, Thomas J.  
Burgess, Benj. F.  
Baynes, John B.  
Brown, James L.  
Brummell, Aug. C.  
Brookhardt, R. D.  
Brunner, James  
Brown, Thomas M.  
Bowers, Henry A.  
Bevans, L. T.  
Bartlett, John K.  
Brunning, H. H. Jr.  
Bayley, Charles F.  
Baynes, George B.  
Burnett, William T.  
Boon, John H.  
Baughman, Jos.  
Bain, James M.  
Bool, D. W.  
Bobert, William  
Barger, Deeter  
Bates, John G.  
Bokee, George M.  
Bealmear, Robert  
Bollman, James  
Barker, Edward  
Caldwin, John H.

Broadfoot, Joseph  
Bayley, James S.  
Bayley, George W.  
Benson, Samuel H.  
Bolgiano, Joseph A.  
Bartholow, B. F.  
Bridges, William J.  
Berryman, John B.  
Brady, Edward  
Boulden, Wm. James,  
Babb, John  
Boyd, William A. Jr.  
Barnes, C. F.  
Beaman, M. R.  
Brown, Samuel Jr.  
Bear, George H.  
Bartholow, L. L.  
Bartholow, J. W.  
Botton, W. B.  
Birch, James H.  
Bowersox, T. K.  
Benthall, Thomas B.  
Boyd, Benjamin A.  
Bangs, C. W.  
Buchta, John C.  
Bond, J. B. Jr.  
Bevan, George F.  
Betts, Edward Jr.  
Buchta, George P.  
Brown, John Wilson,

Beatson John.  
 Bagett, Henry C.  
 Buckler, L. H.  
 Baldwin, E. Francis  
 Bowen, Josiah  
 Bennett, John H.  
 Boggs, Francis,  
 Bokee, Howard  
 Beard, George R.  
 Boston, Thomas S.  
 Bunting, J. C. H.  
 Burke, John  
 Brian, John H.  
 Beiler, Hy. S.  
 Bancroft, John Jr.  
 Brown, James  
 Blair, Joseph  
 Baker, John  
 Bolgiano, John  
 Bowerman, Henry  
 Bouis, Wm. H. G.  
 Bridge, Stephen L.  
 Bowly, Samuel  
 Baldwin, Samuel  
 Buckmiller, Wm. P.  
 Buckle, George W. C.  
 Basler, Henry  
 Brashears, T. Benton,  
 Byrnes, John Paul  
 Brown, William H.  
 Bedford, John R. D.  
 Bedford, C. H. D.  
 Bowen, Joseph M.  
 Bennett, Thomas F.  
 Biddeson, Zachariah  
 Becker, John A. H.  
 Bolgiano, Francis W.  
 Boyd, William H.  
 Batchelor, Lewis F.  
 Bullock, John  
 Bevan, John S.  
 Boulton, Thomas H.  
 Barton, Philip A.  
 Beaman, William  
 Bower, Lewis M.  
 Blessing, George  
 Bothmann, Frederick  
 Bolton, John Henry  
 Barnes, Robert C. Jr.  
 Brown, Edward  
 Bixler, Daniel Jr.  
 Bencke, J. P.  
 Benny, William O.

## C.

Cassard, Francis W.

Carson, Carville H.  
 Codd, William H.  
 Cooper, James  
 Carroll, Edward  
 Cole, Joshua Jr.  
 Campbell, George D.  
 Cullison, James  
 Chambers, John  
 Cross, H. F.  
 Cromwell, John T.  
 Carson, Wm. H.  
 Coleman, Wm. C.  
 Coonan, Michael  
 Colston, B. Oliver  
 Chappell, Samuel M.  
 Clark, James  
 Conaway, James C.  
 Crook, Christian A.  
 Crounfield, H. F. K.  
 Carter, Edwin T.  
 Cissel, Philip A.  
 Coulter, Thomas B.  
 Cahill, Joseph  
 Carland Lawrence  
 Childs, James W.  
 Cockey, Edward C.  
 Calder, Robert  
 Crook, G. W. M.  
 Carson, T. E.  
 Cunningham, J. E. A.  
 Corbell, Hiram  
 Crane, Benjamin F.  
 Chase, E. C.  
 Courtney, Henry  
 Courtney, David  
 Craig, John  
 Campbell, John  
 Childs, Samuel  
 Cox, James H.  
 Conelen, James  
 Coleman, Joseph  
 Cobb, Edward R. E.  
 Clark, Edward L.  
 Cowman, Henry  
 Coburn, John W.  
 Cockey, John R.  
 Cunningham, Geo. A.  
 Cushing, Joseph  
 Cornelius, John W.  
 Cortenay, Wm. H.  
 Cockey, Thomas  
 Campbell, Robt. Jr.  
 Cockey, S. Owings  
 Cline, George H.  
 Clark, W. S.  
 Cook, James M.  
 Campbell, John N.

Cowan, O. W.  
 Cunningham, W. W.  
 Chappell, K.  
 Cannon, Alex. H.  
 Cushing, R. H.  
 Carr, William S.  
 Craig, Moriell  
 Clayton, Alfred  
 Coleman, John  
 Clarke, Henry  
 Cole, Lewis H.  
 Craig, Daniel B.  
 Cook, Frederick  
 Callahan, Jeremiah O.  
 Caldwell, Wm. Q. P.  
 Caldwell, A. P.  
 Coffield, Eugene M.  
 Crawford, John S.  
 Clare, Henry  
 Cunningham, Wm. A.  
 Curlett, John G.  
 Cook, Lewis Edward  
 Covington, John  
 Covington, Henry  
 Cassard, Lewis A.  
 Chassaing, Edward J.  
 Cowman, Sam'l S. Jr.  
 Cook, Joseph B.  
 Cooke, John James  
 Chappeau, Jabez  
 Cornell, Mark J.  
 Camper, Charles  
 Camper, Alexander  
 Campbell, John C.  
 Chalfant, Edward J.  
 Cathell, James  
 Crook, Walter James  
 Cailli, George  
 Clautice, William  
 Christopher, Z. W.  
 Cook, Joseph M.  
 Crop, Marion  
 Crop, Robert E.  
 Clare, Francis  
 Clare Isaac  
 Cochrane, Alex. M.  
 Cornell, Theodore

## D.

Davis, William H.  
 Dushane, John A.  
 Dillehunt, J. T.  
 Duncan, Alexander  
 Devine, John  
 Dukehart, Sam'l T.  
 Darling, F. Taylor

Dingee, Wm. W.  
 Davis, Laurence B.  
 Detrow, D. Edward  
 Deven, P. S.  
 Danskin, Wash. A. Jr.  
 Downs, Sam'l F.  
 Dever, Lewis A.  
 Drury, John T.  
 Dutton, John R.  
 Dungan, William  
 Dryden, Wm. H.  
 Diffenderffer, George  
 Dant, Charles H.  
 Donnelly, Francis A.  
 Davis, George M.  
 Davis, Thomas B.  
 Duncan, Ninian S.  
 Drury, Wm. H.  
 Denson, William  
 Daiger, Chas. H.  
 Dodson, John  
 Day, Samuel G.  
 Dickinson, John Jr.  
 Dongan, Henry  
 Deford, Isaac  
 Dumont Alphonso  
 Dunham, William C.  
 Daniels, Walter Jr.  
 Doyle, Thomas G.  
 Diggs, Edward G.  
 Dittman, Chas. W.  
 Dittman, Edward F.  
 Dorgan, Theodore A.  
 Dungan, Henry G.  
 Diggs, Sam'l Joseph  
 Didier, Eugene L.  
 Doubleday, Wm. J.  
 Davidson, Wm. J.  
 Daiger, Wm. C.  
 Delano, Philip A.  
 Dukehart, Wm. B.

## E.

Edwards, R. H.  
 Easter, James Jr.  
 Ely, John B.  
 Eastman, Henry Wm.  
 Eastman, William M.  
 Elmore, Charles A.  
 Elder, Francis H. Jr.  
 Eareckson, Charles F.  
 Ely, J. Benjamin  
 Evans, Andrew J.  
 Evans, Richard B.  
 Ebert, C. A.  
 Ely, Sam'l S.

Emory, John K. B.  
 Evans, Chas. W.  
 Etchberger, James S.

## F.

Finney, Chas. McLane  
 Fisher, George  
 Fahnestock, G. W.  
 Freeland, Edward H.  
 Faherty, James F.  
 Ford, John D.  
 Ferrell, Joshua  
 Fleming, George  
 Forrester, B. F.  
 Flack, J. W.  
 Fowler, Isaac  
 Fisher, John H.  
 Falls, Alex. J.  
 Falls, Robert W.  
 Forney, M. N.  
 Feast, Linnaus  
 Frazier, David R.  
 Farber, Henry J.  
 Fitzpatrick, John M.  
 Francis, William  
 Frey, Jacob  
 Fahey, James C.  
 Foy, James H.  
 Foreman, Francis R.  
 Folks, Robert  
 Fowler, John E.  
 Frazier, Anthony  
 Foster, James W.  
 Floyd, J. Frederick,  
 Forrest, Theophilus  
 Fulton, James  
 Franck, Wm. Gray

## G.

Gott, Thomas L.  
 Gardner, W. G.  
 Glenn, Samuel  
 Greese, E. V.  
 Gorton, William T.  
 Gatch, Charles H.  
 Graham, James  
 Gregory, Jos. H. D.  
 Galloway, Jesse  
 Gambrill, H. W.  
 Gibson, Robert F.  
 Gwyn, C. L.  
 Gayton, Charles T.  
 Greensfelder, M. Jr.  
 Gibson, T. Eugene  
 Gallaway, Thomas  
 Graham, John T.  
 Griffith, Henry C.

Gill, Owen A. Jr.  
 Gibbs, James W.  
 Grieves, David F.  
 Griffin, Robert J.  
 Gaddess, Thomas A.  
 Gill, Charles M.  
 Gaehle, Henry  
 Gaehle, Lewis  
 Gaddess, Charles W.  
 Gambrill, John W.  
 Gatchell, John G.  
 Grady, Michael J.  
 Glanville, Wm. A.  
 Gallagher, Alex.  
 Gotee, H. Pinkney  
 Guy, Moses  
 Gray, E. Jr.  
 Guyton, Wm. G.  
 Girvin, Wm. G.  
 Greer, Alexander  
 Gracy, Benjamin M.  
 Gillett, G. G.  
 Gibson, Joseph  
 Greenfield, Aquilla H.  
 Ganthrop, James T.  
 Gesford, John  
 Gill, Richard C.  
 Golibart, Joseph R.  
 Greenwood, W. D.  
 Green, William H.  
 Gillingham, E. N.  
 Gerber, Christian  
 Gordon, Charles M.  
 Gibbons, J. Thomas  
 Greer, Thomas M.  
 Gatter, Charles  
 Grier, John A.  
 Griggs, John J.  
 Grant, James B.

## H.

Hoover, Jos. S. D.  
 Hanna, John  
 Holtzman, E. K.  
 Hardtner, John L.  
 Heusler, C. A.  
 Hogg, Egerton  
 Harrison, Thomas  
 Hays, James H.  
 Hollinsworth, George  
 Hindes, James  
 Hugg, John H.  
 Hughes, James W.  
 Harris, James W.  
 Hawley, Martin  
 Hamilton, Francis H.  
 Holder, Thos. T. Jr.

Hooper, T. W.  
 Hammell, Jacob  
 Harrington, D. B.  
 Holmes, A. Smith  
 Harlan, Lewis G.  
 Harrington, Wm.  
 Hendrickson, Geo. O.  
 Harris, Robert  
 Hook, Edward  
 Happerla, Henry  
 Hall, Charles  
 Happerla, John C.  
 Hughes, George N.  
 Heiner, John  
 Hollins, Thomas  
 Hecht, David  
 Hess, John  
 High, John W.  
 Hunt, William R.  
 Harman, Martin  
 Hooper, William P.  
 Hull, Joseph J.  
 Hook, William W.  
 Hooper, Charles H.  
 Hubbard, Charles  
 Hinkley, William H.  
 Harrison, James  
 Harrison, W. E. C.  
 Hooper, William J.  
 Hoffman, Charles E.  
 Hart, Richard  
 Hill, Thomas  
 Hogg, James D.  
 Hooper, James Jr.  
 Hasson, John M.  
 Harney, Henry  
 Hannan, John  
 Hannan, H. M.  
 Hurburt, James R.  
 Hanna, James  
 Hurtzler, Abraham  
 Harrison, Wm. H.  
 Haller, Abner  
 Husband, Jacob L.  
 Houlton, Samuel C.  
 Hammontree, H. C.  
 House, Samuel A.  
 Hoover, Francis W.  
 Hecht, Bernard  
 Hardie, David  
 Hiser, J. H. F.  
 Hoopman, Christian A.  
 Horold, Charles F.  
 Hershey, David B.  
 Horney, Charles E.  
 Hildebrande, H. K.  
 Howard, Joseph T.

Hampton, William D.  
 Hamill, James H.  
 Harrison, Charles S.  
 Hulse, George T.

# J.

Jackson, Peter  
 Johnson, Wm. J.  
 Ives, John  
 Johnson, Frederick M.  
 Ives, Wm. M. Jr.  
 Jones, Edwin  
 Jenkins, J. S.  
 Janney, W. W.  
 Judlin, Asbury  
 Jones, William  
 Johnson, Charles W.  
 James, Levi Jr.  
 James, William  
 Johnson, Benjamin F.  
 Jones, C. B.  
 Jennings, John W.  
 Judefind, John  
 Jones, Albert  
 Jones, Lewis R.  
 Janney, Joseph  
 Johnson, William  
 Jones, Columbus C.

# K.

Kessler, John S.  
 Kirk, C. H.  
 King, Glendy  
 Knott, James H.  
 Kehlenbeck, Henry W.  
 Kidd, James R.  
 Klinefelter, Vanvert,  
 Kirby, Edward W.  
 Kelly, Peter  
 Kennedy, C.  
 Keene, Benjamin R.  
 Kerby, George C.  
 Kenly, William L.  
 Kemp, Thomas E.  
 Kane, Thomas  
 Kries, William  
 Keavins, S. D.  
 Kerner, John H.  
 Kerr, Robert J.  
 Klinefelter, G.  
 Kemb, Richard J.  
 Kemp, Edward L.  
 Knipp, Jacob Jr.  
 Kugler, Thomas H.  
 Kelly, Washington

Kimberly, Henry E.  
 Krems, Joseph F.  
 Keighler, Wm. H. Jr.  
 Keighler, Samuel A.  
 Keighler, J. Chickley  
 Kavanaugh, James

# L.

Lovejoy, Samuel A.  
 Larrabee, E. W.  
 Lebranthwaite, J. L.  
 Littig, A. W.  
 Larrabee, Wm. F.  
 Laasing, John F.  
 Leakin, Andrew  
 Larkin, A. J. B.  
 Lauson, Stephen A.  
 Lyons, William B.  
 Long, James,  
 Lamdin, J. F.  
 Lamdin, William M.  
 Lawder, Samuel M.  
 Lancaster, Joseph C.  
 Lightner, Isaac  
 Lincoln, Henry  
 Leintz, William  
 Lewis, W. M.  
 Lucas, R. H.  
 Longpre, William  
 La Favre, Ferdinand  
 Lee, Jesse W. Jr.  
 Lybrand, George H.  
 Lester, Joseph W.  
 Lucas, William R.  
 Lears, John  
 Larrabee, Ephraim Jr.  
 Larrabee, George  
 Lawson, James T.  
 Lusby, William H.  
 Lambert, George W.  
 Linginfelter, Louis  
 Leeke, William H.  
 Long, Thomas W.  
 Lawrence Hammond  
 Letournau, John M.  
 Lippencott, H. C.  
 Lewis, Jacob S.  
 Larrabee, E. F.  
 Lamb, James  
 Lloyd, William H.  
 Lewis, Jos. N. Jr.  
 Lefevre, Wm. H.  
 Lear, George H.  
 Lear, David W.  
 Lynch, Joseph  
 Littig, N. B.

Littig, John  
 Leef, John G.  
 Love, William E.  
 Lownds, C. G.  
 Lownds, J. A.

## M.

Miller, William H.  
 Musser, William R.  
 Marden, Jesse Jr.  
 McShane, Henry  
 Mills, Franklin  
 Mayger, Richard R.  
 Merker, William A.  
 Mash, Jacob J.  
 Miles, Samuel  
 McClymont, Alex.  
 McLaughlin, Andrew  
 Martin, James  
 Morrow, John Jr.  
 McLaughlin, Daniel  
 Moir, James  
 Matthews, E. L.  
 Meinheiter, J. J. C.  
 Martin, Luther R.  
 Maitland, Benjamin  
 Mercer, Raus.  
 McClure, William J.  
 McAllister, James H.  
 Mitchell, R. M.  
 Mitchell, Edward  
 Morling, F. L.  
 Myers, John  
 Maffie Angelo  
 Maxwell, William  
 Maxwell, David  
 Manro, Wm. E.  
 Milnor, James P.  
 Mackenzie, Alex.  
 Miles, James  
 Miller, John F.  
 Mister, Thomas  
 McLaughlin, John  
 Merryman, Moses R.  
 McSherry, James W.  
 McShane, William  
 Magers, John M.  
 Merriken, Francis M.  
 Mass, Edward A.  
 Masson, Charles H.  
 Mullikin, Charles E.  
 May, William H.  
 May, Edward F.  
 Miller, David R.  
 Mouldy, Frederick  
 Mulliken, William H.

Medairy, Charles  
 Millholland, Thos. T.  
 McCauley, Reuben  
 McCracken, Thos. C.  
 Makibbin, Thos. A.  
 Munroe, D. S.  
 Mullen, James E. A.  
 Matthews, Thos. R.  
 Moore, Edward  
 Morrison, James H.  
 Mowbray, James H.  
 Milburn, John  
 Moke, Henry Clay  
 Mason, William  
 Mitchell, John J.  
 Mitchell, Alexander  
 Miller, William  
 McElroy, William V.  
 Mearis, Ferdinand  
 Maken, Wm. F.  
 Moore, Thomas  
 Marshall, Nathan S.  
 Maslin, Edwin  
 Milnor, Joseph  
 Marriner, Wm. W.  
 McCadden, John F.  
 Morrow, Robert G.  
 Michael, Lewis D.  
 Meakin Nathaniel  
 McClenahan, Robert  
 Most, John T.  
 McJilton, Wm. D.  
 Moore, John  
 Moxley, Thomas D.  
 McKenzie, Thomas  
 Metzger, Franklin  
 Magruder, Robert B.  
 McTrewen, Thomas  
 Miles, G. Frederick B.  
 Mercer, Wilson C.  
 Myers, Daniel A.  
 McCleery, R. W.  
 Mattingly, John F.  
 McElroy, Matthew  
 Marriott, Geo. H. M.  
 Murray, William  
 Murray, Andrew  
 McGill, Patrick  
 N.

Numsen, Peter  
 Nicholson, Jacob K.  
 Nash, Thomas  
 Nicholson, Chas. G.  
 Newman, Edward P.  
 Navy, George W.  
 Neale, John Henry  
 Norris, John C.

Norris, Richard  
 Norris, John P.  
 Needham, Asa Jr.  
 Norwood, Jerome  
 Nicholson, H. Q.  
 Nicholson, James  
 Nizer, Samuel H.  
 Norton, John

## O.

Oldhaber, C.  
 Onion, Edward A. Jr.  
 Owens, James Jr.  
 Omerheizer, J. J.  
 Orrick, John H.  
 Owens, William R.  
 Oliver, Jas. W. T.  
 Orrick, Keener B.  
 O'Neil, Peter  
 O'Loughlin, Sam'l W.  
 Orrick, Edward G.  
 Ogle, James  
 Orrick, W. K.  
 Onion, John H.  
 O'Connor, John  
 Oberndorf, Julius

## P.

Phelps, John B. T.  
 Price, John H.  
 Patten, Charles  
 Pope, Daniel F.  
 Perine, M. D.  
 Phillips, James T.  
 Perine, John T.  
 Proctor, Samuel  
 Parrott, William J.  
 Phillips, James B.  
 Placide, Paul D.  
 Placide, H. B.  
 Powell, Thomas M.  
 Page, Albert C.  
 Petherbridge, Wm.  
 Porter, B. Buck  
 Parrish, Lewis E.  
 Parkinson, J. B.  
 Priester, Valentine  
 Peterkin, Wm. S. Jr.  
 Parsons, E.  
 Poe, Neilson, Jr.  
 Parkhurst, A. R.  
 Placide, Henry F.  
 Purdy, Wm. H.  
 Powell, Thomas, M.  
 Preece, Edward V.

Patterson, John  
 Perine, T. P.  
 Phelan, James  
 Paget, Robert J.  
 Porter, George J.  
 Pentz, Augustus P.  
 Poisal, Thomas B.  
 Pentz, William H.  
 Primson, Samuel F.  
 Plummer, William J.  
 Patrick, B. Franklin  
 Palmer, Edward L.  
 Pitt, William T.  
 Pamphilon, James S.  
 Pierson, Henry  
 Phillips, James H.  
 Peck, Alfred  
 Plaskitt, Thomas  
 Pearce, James H.

## Q.

Quinlin, L. G. Jr.

## R.

Rich, William Jr.  
 Robb, E. T.  
 Rodgers, Wm. F.  
 Rose, Henry C.  
 Richstein, George E.  
 Rogers, Edward G.  
 Robb, Alexander  
 Rhodes, John M.  
 Rapp, Henry  
 Richardson, Morris  
 Rhodes, John F.  
 Richardson, James A.  
 Royston, E. B.  
 Rinedollar, Wm.  
 Russell, William  
 Rencher, William  
 Rowe, W. B.  
 Rice, John T.  
 Robinson, James  
 Reese, Daniel W.  
 Robinson, John G.  
 Rutter, Thomas C.  
 Royston, John W.  
 Renwick, John A.  
 Ryan, John F.  
 Robinson, Joseph  
 Rose, Charles H.  
 Richardson, McD.  
 Robinson, Edward P.  
 Rodewald, Frederick  
 Rea, H. Page  
 Rowe, Joseph T.

Rupp, Reuben F.  
 Reilly, Francis  
 Robinson, James  
 Reese, John Jr.  
 Ross, W. E. Wyatt  
 Ruth, Joseph  
 Richardson, J. P.  
 Richards, Benjamin B.  
 Ricketts, Thomas  
 Roszell, S. Geo.  
 Reese, John C. Jr.  
 Roszell, S. G.  
 Reilly, Robert  
 Rhoads, Chas. H. M.  
 Ridgely, John F.  
 Rothel, Thomas  
 Retan, Chas. P.  
 Rice, Lewis G.  
 Roth, Harman  
 Reeves, Joseph F. Jr.  
 Ramsay, John  
 Reip, Joseph H.  
 Readell, C. W. D.  
 Ryan, John  
 Rourke, Michael  
 Reifsnider, W. E.  
 Raborg, Christopher

## S.

Stump, T. B. C.  
 Steer, Lewis W.  
 Smith, Asa B.  
 Shipley, Chas. E.  
 Scott, John B. L.  
 Slack, Joseph H.  
 Schmidt, Wm.  
 Selden, J. H.  
 Stevens, William  
 Saum, Jacob  
 Sanders, George  
 Smith, David C.  
 Shannon, M. A.  
 Smyth, William  
 Street, James R. W.  
 Starr, George W.  
 Spear, Alvey G.  
 Stinchcomb, Samuel  
 Stewart, Jos. B.  
 Stubbs, E. H.  
 Suter, James W.  
 Snyder, Daniel  
 Starr, John  
 Sommerlock, J. F.  
 Smith, Marshall  
 Sitler, Morris Jr.  
 Spear, J. Otis  
 Sivojir, Frederick

Street, Robert J.  
 Street, Amos H.  
 Shaney, J. A.  
 Surley, James E.  
 Sache, Joseph W.  
 Stran, Thomas P. Jr.  
 Stow, Lewis  
 Showacre, Henry C.  
 Smull, Jacob B.  
 Sumwalt, A. W.  
 Sintz, George Phillips  
 Sinn, Wm. E.  
 Sollers, J. H.  
 Schuttze, Frederick  
 Slingluff, C. B.  
 Smith, Charles R.  
 Simpson, Rezin B.  
 Smith, James  
 Shipley, Lovelace  
 Smith, Robert  
 Symon, Augustus  
 Spencer, William  
 Slothower, George E.  
 Serren, Jabez  
 Stevenson, Henry S.  
 Shanley, John J.  
 Shipley, B. E.  
 Slade, F. P.  
 Staylor, A. J.  
 Sullivan, Wm.  
 Scott, George L.  
 Scott, James J.  
 Sloan, Wm. J.  
 Short, John H.  
 Sutton, Maltier  
 Sunwalt, Henry  
 Scott, John  
 Smith, Samuel  
 Sullivan, Jeremiah C.  
 Shidte, Jacob  
 Slater, Wm. H.  
 Stewart, Wm. B.  
 Schoolfield, Wm. H.  
 Schoolfield, Geo. A.  
 Spear, P. Forney  
 Savage, Charles E.  
 Smith, Frederick C.  
 Sumner Wm. H.  
 Snavelly, Jos. F.  
 Scott, John T.  
 Seidenstricker, A. B.  
 Smith, Philip S.  
 Saunders, George  
 Sweeney, Lewis D.  
 Sanders, Franklin  
 Sparhawk, Samuel H.  
 Stewart, Charles J.

- Stanton, Benjamin  
 Sellman, Henry D.  
 Stewart, James S.  
 Steible, August  
 Smith, Wm. F.  
 Stran, Richard B.  
 Smith, John F.  
 Slicer, Charles H.  
 Schmidt, Jacob  
 Sylvester, E. C.  
 Super, Wm. H.  
 Smith, Henry  
 Simpson, George B.  
 Stallings, Wm. H.  
 Stinchcomb, Joshua  
 Stow, Charles  
 Sinclair, Wm. M.  
 Stevens, Robert A.  
 Sparhawk, John J.  
 Smith, John D.  
 Savin, Markus D.  
 Storey, William  
 Sanderson, John  
 Stine, W. W.  
 Sherwood, Wm. R.  
 Sherwood, James H.  
 Stone, Chas. Henry  
 T.  
 Taylor, Samuel G.  
 Taylor, William J.  
 Taylor, William S.  
 Thomas, William H.  
 Thompson, John A. Jr.  
 Townsend, Joseph C.  
 Thompson, Richard  
 Thompson, H. Mifflin  
 Thomas, Samuel L.  
 Tufts, William T.  
 Toy, Richard H.  
 Turner, Charles  
 Teamyer, Lewis  
 Thomas, R. Snowden  
 Trimble, David B.  
 Taylor, William  
 Taylor, William H.  
 Thompson, Alfred W.  
 Trump, Samuel  
 Torrance, Charles  
 Trayser, Philip L.  
 Taylor, James  
 Trimble, Robert M.  
 Torney, George  
 Torney, John H.  
 Tyler, Daniel  
 Thomas S. Drew  
 Turner, Joseph  
 Tilyard, John P.
- Tyler, Joseph  
 Tucker, George W.  
 Thompson, Thomas  
 Taylor, William H.  
 Thompson, Joseph Jr.  
 Turner George W.  
 Tewksbury, Charles S.  
 Teale, James R.  
 Thomas James L.  
 Turner, T. C. S.  
 Taylor, George W.  
 Townsend, L. W.  
 U.  
 Uthman, John T.  
 Uhlhom, J. H. K.  
 V.  
 Vansant, Joseph  
 Vigline, John  
 Valentine, John  
 Voigt, Frederick  
 Vincent, Edward P.  
 Vincent, George H.  
 W.  
 Wheeler, William T.  
 Washington, John  
 Wallace, R. D.  
 Wallace, Wm. S.  
 Wharton, B. H.  
 Walker, Joseph W.  
 Wylie, Thomas M.  
 Woodydy, William jr.  
 Wailes, John P.  
 Weinhultz, Thomas  
 Williamson, David  
 Walker, N. D.  
 Walker, P. H.  
 Wheeler, Wm. T.  
 Wentz, Charles  
 Weigle, William Hy.  
 Walker, George W.  
 Wonn, Alfred  
 Waltemyer, Charles  
 Ward, William H.  
 Webb, C. H.  
 Wells, William A.  
 Wright, John  
 White, William G.  
 Williams, John  
 Wilkinson, Thomas S.  
 Ward, Joseph Henry  
 Weems, George  
 Wonderly, William  
 Webb, William P.  
 Warfield, Thomas  
 Weye, Samuel  
 Weaden, James  
 Wheedon, Thomas
- Withington, Samuel  
 Williamson, Charles  
 Webster, T. W.  
 Warfield, J. A.  
 Walker, Richard J. J.  
 Waltgen, William  
 Weaver, Henry  
 Writter, Theodore  
 Wehn, Philip L.  
 Wittig, Frederick  
 Wheeler, Jerome  
 Wolf, Nicholas  
 Woods, William  
 Wild, George  
 Wild, Lewis  
 Whitehead, James J.  
 Weishampler, John F.  
 Williams, Jacob B.  
 Watson, John H.  
 Watts, Benjamin  
 Wilcox, Thomas J.  
 Winneberger, John T.  
 Warner, George T.  
 Webb, George H.  
 Wall, Charles A.  
 Webb, Thomas N.  
 Watkins, William Fish  
 Whitelock, Samuel R.  
 Webb, Geo. W. Jr.  
 Worley, William N.  
 Wolf, Alonzo L.  
 Wallace, James Henry  
 Wells, Clinton G.  
 Williams, Augustus A.  
 Wells, William H.  
 Wiley, Alexander  
 Winn, William H.  
 Walsh, Wm. George  
 Ward, Wm. E.  
 Willis, Wm.  
 Wallace, Richard M.  
 Webster, P. A.  
 Wheeden, Eugene  
 Watson, James  
 Wheeler, Samuel C.  
 Wylie, George  
 Walker, Thomas  
 Warfield, Lewis M.  
 Y.  
 Young, Alexander, Jr.  
 Yoe, B. Rush  
 Yeates, J. L. Jr.  
 Yeatman, William  
 Z.  
 Zentmyer, W. C.  
 Zimmerman, Charles

A. G. Mott,  
William McCann,  
Richard C. Mason,  
Robert Moore,  
Richard Mayger,  
John F. Meredith.

## N.

J. Crawford Neilson,  
J. R. Nierensee,  
Edward Needles,  
Isaac L. Nicholson,  
C. J. Nicholson.

## O.

Charles Ogle,  
John M. Orem.

## P.

Enoch Pratt,  
Jonathan Parker, Jr.  
William B. Perine,  
George C. Penniman,  
Charles H. Pitts,  
George Page,

George F. Page,  
R. H. Pennington,  
Joseph W. Patterson.

## R.

William H. Rose,  
Joshua Regester,  
Samuel E. Rice,  
Sam'l C. Ridgaway,  
P. E. Reiley,  
Miss Henrietta Randall  
Henry R. Reynolds,  
Joshua Reynolds,  
William H. Reasin.

## S.

Samuel Sands,  
Wm. Bell Sands,  
J. H. Stickney,  
Alex. L. Spear,  
Dr. Jos. S. Stevenson,  
Thomas Swann,  
Henry C. Sultzer,  
N. Stocksedale,  
Jas. E. Stocksedale,  
David B. Smull,  
Richard P. Sherwood,

Lawrence Sangston,  
John J. Snider.

## T.

Jacob B. Thomas,  
Joseph Thomas,  
John H. Tucker,  
Dr. J. H. Thomas,  
Richard H. Townsend,  
John T. Thompson,  
Jacob Trust,  
Thomas F. Troxell,  
Wm. S. Thompson,  
Thomas Trimble,  
Jos. J. Turner,  
Francis Turner.

## W.

Wm. C. Wait,  
Marcus Wolf,  
Noah Walker,  
Peter Wilcox,  
Samuel G. Wyman,  
Charles Webb,  
David H. White,  
T. Yates Walsh,  
Alex. P. White.

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NAMES RECEIVED TOO LATE FOR THE REGULAR LIST.

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## ANNUAL MEMBERS.

John Gilman,  
John Beaman,  
Arnold Schuler,  
T. C. Dunham,  
N. H. Thayer,  
James Slade,  
M. Slack,  
Wm. G. Sharer,  
John P. Wood,  
Joshua Dryden,  
H. A. Elliott,  
John H. Stormberg,  
James Lawson,  
Walter B. Cummings,  
James T. Darling, Jr.  
Philip S. Allison,  
Edward G. Rennous,  
Horace Taylor,

Alex. Cross,  
George Taylor,  
A. J. Williar,  
Henry N. Hurtt,  
James M. Dixon,  
J. Edward Buck,  
J. H. T. Jerome,  
John P. Ijams,  
Jos. H. Boyd,  
Jas. H. Callis,  
F. W. Beck,  
John Stellman,  
Chas. Hahn,  
A. W. Duke,  
A. J. Naylor,  
Geo. E. Fales,  
Wm. Tustin,  
Andrew G. Boyd,

John Haswell,  
J. L. Duncan,  
Chas. A. Grinnell,  
John S. Fusselbaugh,  
John W. Grahame,  
Isaiah Kroesen,  
Thomas Beck,  
Isaiah Kroesen.  
J. P. Hooper,  
Uriah Jones,  
Wm. H. Cowan,  
David Creamer,  
Geo. W. Taylor,  
John D. Knox,  
Wm. Griffith,  
Oliver F. Lautz.

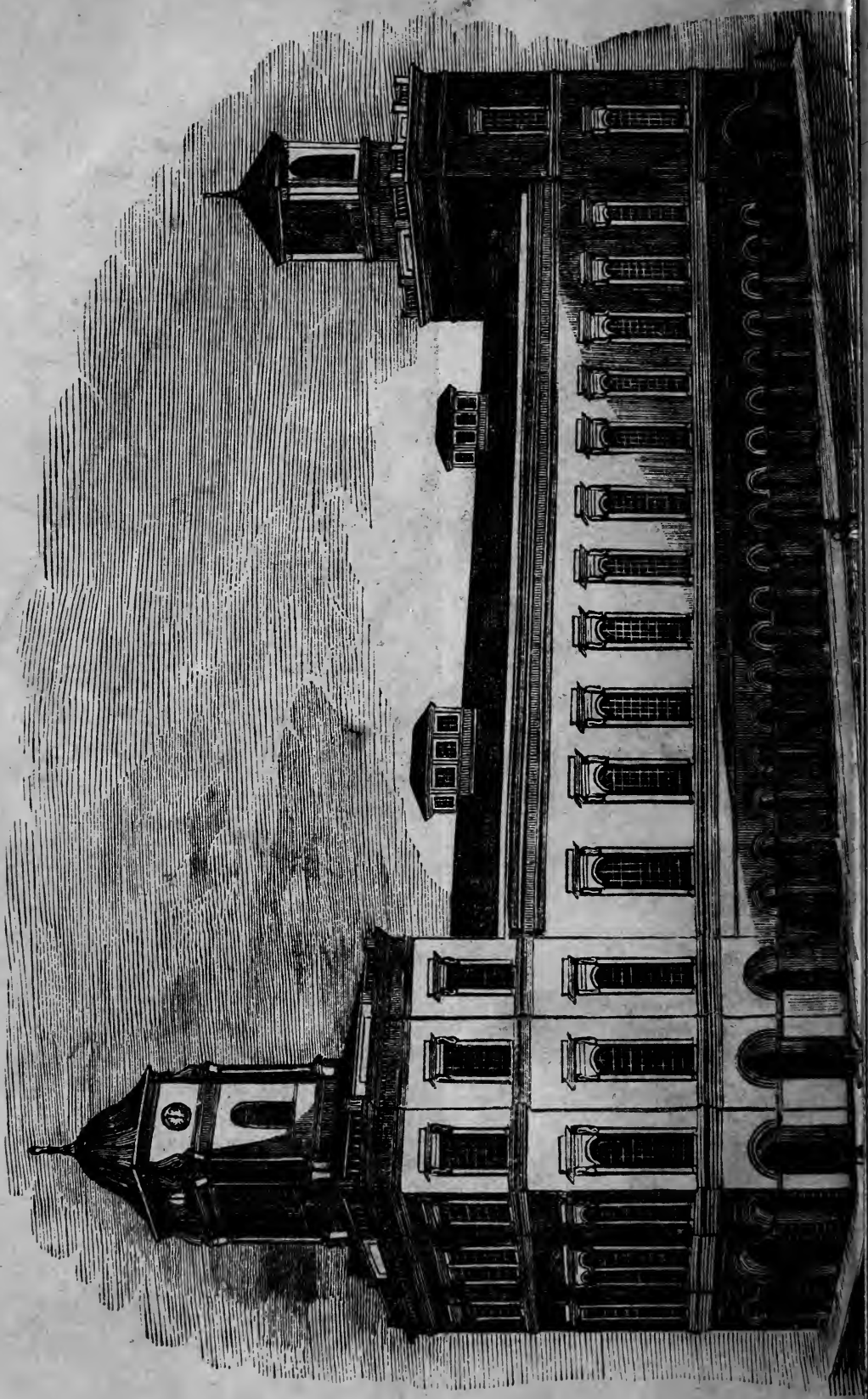
## JUNIOR MEMBERS.

Robert Barnes, Jr.  
 Jas. T. Mitchell,  
 T. E. Mitchell,  
 Geo. W. S. Nicholson,  
 Wm. E. Clarke,  
 Andrew McCaddin,  
 N. M. Bosley,  
 J. L. Maguire,  
 Frederick Deets,  
 Wm. T. Byrn,  
 John M. Watts,  
 John R. McGaw,  
 John Hamilton,  
 Wm. Eimer,  
 Samuel Dale, Jr.  
 Geo. Malvin,  
 Wm. S. Justis,  
 Chas. P. Hess,  
 A. C. Cole,  
 Albert Smoot,  
 Joseph L. Parks,  
 C. C. Pendergast,  
 Robert J. Guy,  
 John H. Knowles,  
 Edward H. Clarkson,  
 Matthew A. Carrear,  
 Wm. McR. Benthall,  
 Chas. C. Stevenson,  
 Jacob H. Miller,  
 John C. Hay,  
 J. S. O. Flack,  
 Thomas Hedian,  
 James E. Ferral,  
 Clark Y. Davidson,  
 Samuel H. Gill,

James Armstrong,  
 Wm. P. J. Harvey,  
 John P. Connolly,  
 Wm. H. Hoopes,  
 Wm. Colly,  
 Wm. Henry Duvall,  
 Edward C. Forney,  
 Charles Stauff,  
 James C. Slaughter,  
 Samuel S. Park,  
 C. Isaacs,  
 Wm. Young,  
 Frederick Myer,  
 Albert Lee,  
 D. Parkhurst,  
 Franklin Kenley,  
 Daniel Bonn,  
 Samuel Bonn,  
 J. Hammond Stansbury  
 Thos. B. Haughton,  
 R. J. Matthews,  
 Edwin D. Robinson,  
 Sam'l G. Burrough,  
 John Hollins,  
 Wm. M. Shoemaker,  
 Dennis Erwin,  
 John W. Norris,  
 George Sanders,  
 J. O. Richardson,  
 Perry Ould,  
 Thomas Wilkinson,  
 James Afflick,  
 Charles Wetherby,  
 John Thomas Deal,  
 Edwin Mortimer,

N. K. Colburn,  
 Wm. P. Garvey,  
 Wm. H. Clare,  
 Wesley Watkins,  
 John M. Watkins,  
 James M. Brown,  
 Warran G. Hyde,  
 Jacob Mathes,  
 Henry Bonn,  
 T. J. Betts,  
 Lewis De Ronceray,  
 Edwin E. Holloway,  
 A. F. Schwartz,  
 Robert Fletcher Hulls,  
 Charles Burgiss,  
 Henry Z. Welmore,  
 Oliver Gosnell,  
 Peter F. Wells,  
 Chas. G. Lutts,  
 Edward J. Joyes,  
 Henry B. Myers,  
 Andrew J. Kiersted,  
 Francis Price,  
 Robert R. Quail,  
 H. W. Huntermuller,  
 Chas. P. Chapin,  
 Geo. E. Pryor,  
 Henry Rocks,  
 Robert Rasin,  
 Thomas F. Connolly,  
 James Frey,  
 Samuel S. Wylie,  
 Sam'l Sands Sitler.





*Prof. J. Henry*

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# CHARTER, CONSTITUTION

AND

*By-Laws*

OF THE

MARYLAND INSTITUTE,

For the Promotion of the Mechanic Arts:

TOGETHER WITH A LIST OF ITS MEMBERS, JUNIOR MEMBERS, LIFE MEMBERS HONORARY MEMBERS, &c.

TO WHICH IS ADDED:

A BRIEF DESCRIPTION OF THE INSTITUTE'S HALL.

4/5  
8261

FORMED JANUARY 12th, 1848—and INCORPORATED at DECEMBER SESSION  
of the Maryland Legislature, 1849.

BALTIMORE:  
PRINTED BY SANDS & MILLS,

No. 122 Baltimore Street

1854.



# CHARTER, CONSTITUTION

AND

By-Laws

OF THE

✓  
MARYLAND INSTITUTE,

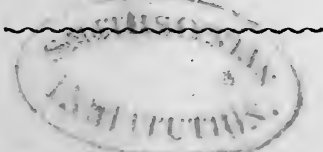
For the Promotion of the Mechanic Arts: <sup>Baltimore</sup>

TOGETHER WITH A LIST OF ITS MEMBERS, JUNIOR MEMBERS, LIFE MEMBERS HONORARY MEMBERS, &c.

TO WHICH IS ADDED:

A BRIEF DESCRIPTION OF THE INSTITUTE'S HALL.

13 / 8261 -  
FORMED JANUARY 12th, 1848—and INCORPORATED at DECEMBER SESSION  
of the Maryland Legislature, 1849.



BALTIMORE:

PRINTED BY SANDS & MILLS,

No. 122 Baltimore Street

1854.

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# MEMORANDA

FOR THE

## MEMBERS AND JUNIOR MEMBERS.

---

The REGULAR MEETINGS are held as follows :

OF THE INSTITUTE—Monthly—2d Wednesday evening.

OF THE BOARD OF MANAGERS—Monthly—1st Monday evening preceding the Institute's meeting.

### HOURS OF MEETING.

*The Institute.*—At 7 o'clock, P. M. in November, December, January, and February ; at 7½ o'clock in March, April, September and October ; and at 8 o'clock in May, June, July and August.

*Board of Managers.*—At the same hours as the Institute.

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### SCHOOL OF DESIGN.

The School will be in session three evenings—(Monday, Wednesday and Friday, as a general rule)—in the week, at 7 o'clock, to February 1st, and at 7½ o'clock for the balance of the season. The whole term lasts four months, from November to March.

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### LECTURES.

The Lectures before the Institute begin during the month of November, and take place (as a general rule) once a week, on Tuesday evenings, until the close of the season, which is in the month of March. Each Lecture will be duly advertised in the daily papers as it is about to be held. They are held in the main saloon.

## LIBRARY AND READING ROOMS.

Front Room on first floor of the Hall—Open every day from 4 to 6 and from 7 to 9 P. M.—except Saturdays, when it will close at 8 o'clock P. M.

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## TERMS OF MEMBERSHIP OF THE INSTITUTE.

THREE DOLLARS PER ANNUM, and two dollars on joining, making five dollars for the *first* year, payable in advance, on the 1st day of September.

*Twenty-five dollars* will constitute any person a MEMBER FOR LIFE ; entitled to all the privileges of annual members.

No Member or Junior Member shall be entitled to admission to the Exhibition, Lectures, School of Design, Library, &c., until his annual contribution for the current year shall be paid.

*The use of Tickets of Membership is in no case to be transferred.*

Junior Members, (youths between 12 and 21 years,) are charged but half the sum levied upon Members, or two dollars and fifty cents for the first year, and one dollar and fifty cents yearly thereafter. They are entitled to all the privileges of the members except that of voting at the business meetings.

# THE INSTITUTE'S CHARTER.

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## AN ACT INCORPORATING the Maryland Institute for the Promotion of the Mechanic Arts.

SECTION 1. Be it enacted by the General Assembly of Maryland, That the members of the Maryland Institute for the Promotion of the Mechanic Arts, and all those who shall hereafter become members, shall be, and are hereby incorporated and created a body politic, by the name, style and title of the "Maryland Institute for the Promotion of the Mechanic Arts;" and by that name shall have succession, and be able and capable in law to sue and be sued, to plead and be impleaded, in any court of record or elsewhere; to make, have and use a common seal; and the same at pleasure to alter or renew; to receive donations, gifts, grants, devices and bequests, or other conveyances of money, goods, chattles, effects, lands, tenements and estates, real and personal, and the same to hold, use, sell or otherwise dispose of, and convey, and generally to do all such acts, matters and things, as are or shall be necessary to carry into full effect the objects of the said corporation; provided always, that the property owned by said corporation shall not exceed in value one hundred and twenty thousand dollars.

SECTION 2. And be it enacted, That the members of the said corporation shall consist of Manufacturers, Artizans, and all persons friendly to the Mechanic Arts, who shall hereafter be elected in such manner, and pay such sum annually, or in gross, or an annual or life subscription, as the Constitution or By-Laws of the said corporation shall appoint or require: provided always, that two-thirds of the Board of Directors of said corporation shall be practical manufacturers or mechanics.

SECTION 3. And be it enacted, That the objects of the said corporation shall be the encouragement and promotion of manufactures and the mechanic and useful arts, by the establishment of popular lectures upon the sciences connected with them; by the formation of a School of Design adapted to mechanical and manufacturing purposes; for providing a Library, Reading Room and a Cabinet of Minerals, Models, and Me-

chanical Apparatus ; for holding Annual Exhibitions or Fairs for articles of *American Manufacture*, and for offering Premiums, or awards for excellence in those branches of national industry, deemed worthy of encouragement ; by examining new inventions submitted for that purpose, and by such other means necessary for the accomplishment of their objects as experience may suggest.

SECTION 4. And be it enacted, That the affairs of the said corporation shall be conducted and managed by a President, a board of Directors, and by such other officers, and in such manner, as the Constitution or By-Laws of the same shall authorise and provide ; that such officers and directors shall be elected annually at a meeting of the said corporation to be held in the city of Baltimore on the second Wednesday in January ; and that until the second Wednesday in January, in the year one thousand eight hundred and fifty one, the present Officers and Directors of the Society, to wit : JOSHUA VANSANT, President ; James Murray and Edward Needles, Vice Presidents ; Samuel Sands, Recording Secretary ; William Prescott Smith, Corresponding Secretary ; Thomas J. Clare, Treasurer ; and Josiah Reynolds, C. W. Bentley, John Feast, Jesse Marden, W. Abrahams, Thomas Trimble, William Rodgers, E. Whitman, Jr., D. M. Adams, Wm. Bayley, C. Conway, Robert Errickson, Samuel McPherson, William Fergusson, Isaac Brown, H. R. Hazlehurst, John F. Davis, James Young, William Peters, John T. Fardý, Samuel E. Rice, William Robinson, Ephriam Larabee and B. S. Benson, Directors, shall conduct the affairs of the said corporation conformably to the Constitution and articles promised and agreed to by the members previous to the passage of this Act.

SECTION 5. And be it enacted, That the duties and rights of the members of the said corporation, the power and functions of the officers thereof, mode of supplying vacancies in office, the time of meeting of said Corporation and of the Board of Managers, the number which shall constitute a quorum at any such meeting, the mode of electing members, the terms of their admission, the terms which shall justify their suspension or expulsion from the corporation shall be regulated by the Constitution and By-Laws of said corporation now existing, or hereafter to be made, which the said corporation is hereby authorised and empowered to make and alter in the manner which may be therein mentioned ; provided, that the said Constitution and By-Laws shall not be repugnant to or inconsistent with the Constitution or Laws of the United States or the State of Maryland.

SECTION 6. And be it enacted, That the said corporation shall not issue any note, scrip or bill of credit to circulate as a currency.

SECTION 7. And be it enacted, That said act of incorporation shall inure for thirty years, and that the Legislature of Maryland reserves to itself the right to amend or repeal the same at pleasure.

---

We hereby certify that the foregoing is a true copy of the Original Bill which passed both branches of the General Assembly of Maryland at December Session, eighteen hundred and forty-nine.

Given under our hands at the City of Annapolis, this fifteenth day of February, 1850.

GEORGE G. BREWER, Clerk House Delegates, Md.

JOS. H. NICHOLSON, Clerk Senate, Md.

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## AMENDMENT TO CHARTER.

ADOPTED JANUARY, 1852.

*An Act to alter and amend an Act incorporating the Maryland Institute for the Promotion of Mechanic Arts, passed December session, eighteen hundred and forty-nine, chapter one hundred and fourteen, so as to allow said Institute to establish a Department of Analytic Chemistry, and confer Diplomas upon Graduates thereof.*

SECTION 1. Be it enacted by the General Assembly of Maryland, That the Maryland Institute for the Promotion of the Mechanic Arts, for the purpose of extending its means of education, is hereby authorised to establish a Department of Analytic and Applied Chemistry, and to appoint a Professor, and as many adjuncts for said Department, as the requirements of the same may, from time to time, demand.

SECTION 2. And be it enacted, That the Maryland Institute shall have power to graduate students in Chemistry, and to grant diplomas to such, as after examination and recommendation by the professor, are worthy of the distinction.

THE UNIVERSITY OF CHICAGO  
DIVISION OF THE PHYSICAL SCIENCES  
DEPARTMENT OF CHEMISTRY  
JANUARY 1954

TO THE HONORABLE CHAIRMAN OF THE BOARD OF TRUSTEES  
OF THE UNIVERSITY OF CHICAGO  
FROM THE DEPARTMENT OF CHEMISTRY  
SUBJECT: A REPORT ON THE PROGRESS OF RESEARCH  
DURING THE YEAR 1953

The following report summarizes the work done in the Department of Chemistry during the year 1953. It is divided into two main parts: a summary of the work of the individual members of the department and a summary of the work of the department as a whole.

The work of the individual members of the department is summarized in the following table:

| NAME             | POSITION            | RESEARCH INTERESTS |
|------------------|---------------------|--------------------|
| DR. J. H. HARRIS | Professor           | Organic Chemistry  |
| DR. R. M. HARRIS | Associate Professor | Organic Chemistry  |
| DR. J. E. HARRIS | Associate Professor | Organic Chemistry  |
| DR. J. H. HARRIS | Associate Professor | Organic Chemistry  |
| DR. J. H. HARRIS | Associate Professor | Organic Chemistry  |

The work of the department as a whole is summarized in the following table:

| RESEARCH INTERESTS  | NUMBER OF PUBLICATIONS |
|---------------------|------------------------|
| Organic Chemistry   | 15                     |
| Inorganic Chemistry | 10                     |
| Physical Chemistry  | 5                      |

RESOLUTION OF THE GENERAL ASSEMBLY  
OF MARYLAND, granting an Annuity of \$500 to the In-  
stitute,—adopted February 8th, 1850.

BY THE HOUSE OF DELEGATES, }  
February 8th, 1851. }

WHEREAS, the Legislature of the State of Maryland has evinced a disposition to encourage Agricultural labor, and has, by the appointment of a State Chemist, awarded to that branch of industry, the advantage of its aid in discoveries promotive to its profitable pursuit;—and whereas, the improvement and extension of the Mechanic Arts equally deserve the countenance and patronage of the State, and are alike conducive to individual happiness and State prosperity;—and whereas, acting under the influence of an enlightened spirit, the Legislature of Maryland at its December Session, 1829, by resolution No. 45, did contribute through its Treasury to the promotion of Mechanic Arts, which contribution was continued until by disasters the Maryland Institute, the then object of her bounty, ceased to exist:—and whereas, the Institute has been revived and is now in advance progress, and it is proper that its utility should be enlarged,—

*Resolved by the General Assembly of Maryland,* That the Treasurer of the State of Maryland be and is hereby directed, to pay annually to the President of the Maryland Institute for the Promotion of the Mechanic Arts, within one month after said Institute shall have held its annual exhibition, the sum of Five Hundred Dollars; *provided*, it shall be shown to the Treasurer that the said Institute is in efficient operation at the time of such payment.

By Order,

G. G. BREWER, *Clerk.*

*State of Maryland, to wit:*

Be it remembered, and we hereby certify, that the foregoing is a true copy of the resolution in favor of the Maryland Institute for the Promotion of the Mechanic Arts, which passed both branches of the General Assembly of Maryland, at December Session, 1849.

Given under our hands at the City of Annapolis, this 23d day of April, 1850.

GEORGE G. BREWER, Clerk House  
Delegates, Md.

JOS. H. NICHOLSON, Clerk Senate, Md.

# Officers for 1853-'54.

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*PRESIDENT.*

**JOSHUA VANSANT.**

*VICE-PRESIDENTS.*

**ADAM DENMEAD,  
GEORGE R. DODGE.**

*RECORDING SECRETARY.*

**SAMUEL SANDS.**

*CORRESPONDING SECRETARY.*

**WM. H. YOUNG.**

*TREASURER OF THE INSTITUTE.*

**THOMAS I. CLARE.**


*TREASURER OF THE HALL FUND.*

**JAMES W. ALLNUT.**

*MANAGERS.*

**WM. PRESCOTT SMITH,  
N. H. THAYER,  
JOHN DUKEHART,  
W. S. THOMPSON,  
THOMAS STOW,  
THOMAS TRIMBLE,  
CAMPBELL MORFIT,  
WM. BAYLEY,  
T. J. LOVEGROVE,  
W. A. BOYD,  
WENDEL BOLLMAN,  
C. W. BENTLEY.**

**JOHN F. MEREDITH,  
B. S. BENSON,  
THOMAS CARROLL,  
ANDREW FLANNIGAIN,  
EMERSON AMES,  
JAMES McNABB,  
WOOD. ABRAHAMS,  
JOSIAH REYNOLDS,  
CHAS. E. WETHERED,  
EVANS ROGERS,  
JAMES S. SUTER,  
WM. W. MAUGHLIN.**

 **NOTE.**—The seven chief officers are also Managers ex-officio, and with the twenty-four others, constitute a Board of thirty-one Managers.

---

**ACTUARY—JOHN S. SELBY.**

*Professor of Drawing in School of Design—WM. MINIFIE.*

*Professor of Chemical Department—DR. A. SNOWDEN PIGGOT.*

# Standing Committees for 1853-'54.

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## On The Exhibition.

THOMAS TRIMBLE, *Chairman.*

|                |                     |
|----------------|---------------------|
| ADAM DENMEAD,  | JOHN F. MEREDITH,   |
| EMERSON AMES,  | GEORGE R. DODGE,    |
| THOMAS STOW,   | THOS. J. LOVEGROVE, |
| C. W. BENTLEY. | THOMAS I. CLARE.    |

## On School of Design.

C. W. BENTLEY, *Chairman.*

|                  |                 |
|------------------|-----------------|
| W. ABRAHAMS,     | JAMES McNABB,   |
| W. BOLLMAN,      | THOMAS STOW,    |
| WM. W. MAUGHLIN. | JAMES S. SUTER. |

## On Lectures.

CAMPBELL MORFIT, *Chairman.*

|               |                    |
|---------------|--------------------|
| N. H. THAYER, | EVANS ROGERS,      |
| WM. H. YOUNG, | W. PRESCOTT SMITH. |

## On Library.

WM. H. YOUNG, *Chairman.*

|                 |               |
|-----------------|---------------|
| THOMAS CARROLL, | WM. A. BOYD,  |
| JOHN DUKEHART,  | B. S. BENSON. |

## On the Hall.

WM. BAYLEY, *Chairman.*

|                  |                  |
|------------------|------------------|
| W. S. THOMPSON,  | GEORGE R. DODGE, |
| JOSIAH REYNOLDS, | SAMUEL SANDS.    |

## On Chemical Department.

WILLIAM S. THOMPSON, *Chairman.*

|                    |                     |
|--------------------|---------------------|
| A. FLANNIGAIN,     | N. H. THAYER,       |
| CHAS. E. WETHERED, | THOS. J. LOVEGROVE. |

## On Finance.

JOSHUA VANSANT, *Chairman.*

|                 |                    |
|-----------------|--------------------|
| JAS. W. ALLNUT, | CHAS. E. WETHERED, |
| A. DENMEAD,     | A. FLANNIGAIN.     |

## On New Inventions, &c.

JAMES MURRAY, *Chairman.*

|               |                              |
|---------------|------------------------------|
| EMERSON AMES, | JOHN RODGERS,                |
| JAMES McNABB, | F. W. KING,                  |
| JOHN JONES,   | JOHN RYAN,                   |
| G. H. HUNT,   | HENRY POLLOCK, <i>Sec'y.</i> |

## COMMITTEE ON AWARDS.

ANDREW FLANNIGAIN, *Chairman.*

|                 |                     |
|-----------------|---------------------|
| WM. H. YOUNG,   | JAMES MURRAY,       |
| N. H. THAYER,   | HENRY SNYDER,       |
| JOHN DUKEHART,  | EMERSON AMES,       |
| WENDEL BOLLMAN, | WOODWARD ABRAHAMS,  |
| THOMAS CARROLL, | WM. PRESCOTT SMITH. |

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF THE HISTORY OF ARTS

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF THE HISTORY OF ARTS  
OFFICE OF THE DEPARTMENT  
540 EAST 58TH STREET  
CHICAGO, ILLINOIS 60637  
TEL: 773-936-5000  
FAX: 773-936-5001  
WWW.HISTORYOFARTS.UCHICAGO.EDU

## PREAMBLE TO THE CONSTITUTION.

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WHEREAS, the Mechanics, Manufacturers, Artizans and other citizens of Maryland, impressed with the importance of fostering the inventive genius of their countrymen, of exalting the character of the members of their respective professions, and of increasing the trade and business of the commercial mart of the State, and having associated themselves together, and obtained a charter from the Legislature of Maryland, under the name and title of the "MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS;"—to accomplish the objects in view, have made provision:

1st. For holding an Annual Exhibition, where American Mechanics, Manufacturers, Inventors and Artists, and all who may have made any discoveries in the Arts and Sciences, may be enabled to exhibit the productions of their skill and ingenuity, in competition for the medals, diplomas, and other prizes which may be offered by the Institute for superiority.

2d. For examining and reporting upon the merits of new inventions and improvements whenever desired.

3d. For the formation of a School of Design, adapted to Mechanical, Manufacturing and Scientific purposes, in which the members of the Institute may be taught the art of Drawing and Designing, a branch of education so necessary in every business and profession connected with the Mechanic Arts.

4th. For the establishment of Popular Lectures, on subjects mainly connected with Manufactures, Mechanics, and the useful Arts.

5th. For the formation of a Library and Reading Room, a Cabinet of Minerals, Models, and Philosophical and Mechanical apparatus.

6th. For establishing a School of Applied Chemistry, to be called the "Chemical Department of the Maryland Institute," where the science may be thoroughly taught in all its branches, under a Professor and Assistants.

In order to make the necessary provision, for effecting these desirable purposes, in obedience to the requisitions of the Charter, they have established the following Constitution and By-Laws for their government.

# CONSTITUTION.

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## ARTICLE I.—NAME AND OBJECT.

SEC. 1 This Association shall be known and designated as the “MARYLAND INSTITUTE FOR THE PROMOTION OF THE MECHANIC ARTS.”

SEC. 2 The object of the Institute shall be the promotion and encouragement of Manufactures, the Mechanic and Useful Arts—and the mental improvement of the industrial classes.

## ARTICLE II.—MEMBERSHIP.

SEC. 1. Any person may become a member of the Institute in the manner hereinafter provided for in the By-Laws.

SEC. 2. The members shall be divided into four classes, viz :—Members, Junior Members, Life Members, and Honorary or Corresponding Members.

SEC. 3. MEMBERS shall be over twenty-one years of age, and friendly to the objects of the Institute.

JUNIOR MEMBERS shall be minors, not younger than twelve years of age.

LIFE MEMBERS shall be such persons as pay twenty-five dollars to the Institute for Life Membership.

HONORARY OR CORRESPONDING MEMBERS shall be persons of distinguished reputation, in connection with the objects of the Institute, or such as may have rendered it important service. They shall be elected by the Board of Managers, at their stated meetings, who shall report such election to the next stated meeting of the Institute. Two-thirds of those present shall be required to elect an Honorary Member.

## ARTICLE III.—OFFICERS.

SEC. 1. The Officers of the Institute shall be as follows : a President, two Vice Presidents, a Recording Secretary, a Corresponding Secretary, a Treasurer of the Institute, a Treasurer of the Hall Fund, and Twenty-Four Managers, the whole comprising a Board of Managers, thirty-one in number—at least two-thirds of whom shall be practical Manufacturers or Mechanics, residents of the City of Baltimore.

SEC. 2.—*Treasurer's Bond.*

The Treasurers' shall each give bond for the faithful discharge of their respective duties, in the sum of \$2000, with one or more securities, to be approved by the Board of Managers, said bonds to be renewed annually in cases of re-election, and in all cases to be given or renewed within 10 days of the election of either or both of the officers.

## ARTICLE IV.—MEETINGS.

SEC. 1. Monthly meetings of the Institute shall be held on the Second Wednesday of each month.

SEC. 2. Special meetings shall be called by the President, on application of the Board of Managers, or at the written request of twelve members.

SEC. 3. At the stated monthly meeting in April the Annual Reports of the Treasurers, Board of Managers, &c. shall be read.

SEC. 4. The Annual Meeting of the Institute, for the election of officers, shall be held on the third Wednesday in April, when no other business shall be in order.

SEC. 5. In default of an election at the annual meeting, the existing officers shall continue in office until others are properly elected.

## ARTICLE V.—QUORUM.

SEC. 1.—*Of the Institute.* Any fifteen members present at the time and place appointed for holding the annual, special, stated and adjourned meetings, shall constitute a quorum

for the transaction of the ordinary business of the Institute, but thirty members shall be required to be present at all meetings for the election of any officer or officers.

SEC. 2. All business shall be considered ordinary, except a proposition to dissolve the Institute, which shall be considered extraordinary, and shall require a majority of all the members to constitute a quorum for its consideration.

SEC. 3. Notice of extraordinary business shall be given at least three months previous to that in which it is to be discussed.

SEC. 4.—*Of the Board.* At all stated or first adjourned stated meetings of the Board of Managers, nine members shall constitute a quorum for the transaction of business.

#### ARTICLE VI.—MEMBERS' FEES.

SEC. 1. Members, on their election, shall pay to the Actuary an initiation fee of Two Dollars, and an annual subscription of Three Dollars, payable in advance on or before the first day of September in each and every year.

SEC. 2. Junior members, on their election, shall pay to the Treasurer an initiation fee of one dollar, and an annual subscription of one and a half dollars. They shall be entitled to such privileges, except that of voting—and subject to such regulations as the Institute or Board of Managers may determine.

SEC. 1. No member shall be entitled to vote if in arrears with his subscription; and in no case shall members be entitled to the benefits of the Institute unless they have complied with the requirements of the Constitution and By-Laws.

SEC. 2. All nominations of elective officers for the annual election must be made at the stated meeting in March, or at least one month previous to the time of election; nevertheless, nominations may be made on the night of the second Wednesday in April, provided a majority of the members present concur in a motion to that effect,—but no nomination shall be made upon the night of the annual election, except

by unanimous consent ;—and no election shall be valid, without the party shall have been duly nominated as herein provided. An election to fill vacancies caused by death, resignation or otherwise, may be had at any stated meeting of the Institute.

SEC. 3. All officers of the Institute shall be elected by ballot ; and in case of plurality of candidates, the lowest shall be withdrawn after each ballot succeeding the third.

SEC. 4. The presiding officer shall have no vote while in the chair, except in case of a tie, of an election by ballot, or when the yeas and nays are called.

SEC. 5. In all elections for officers of the Institute, a majority of the whole number of votes cast shall be necessary for a choice ; *provided* there be at least thirty votes cast in each ballot at an annual or other election of officers.

#### ARTICLE VIII.—MANAGEMENT.

The Board of Managers shall have the management of the funds of the Institute, and all matters of finance connected therewith, and shall employ its revenues on the following objects, viz :

*First.* In providing an Annual Exhibition of the productions of American skill and industry, to be held in the city of Baltimore.

*Second.* In affording at all times every reasonable facility for the trial and examination of such new inventions and improvements as may be submitted to the Board for that purpose.

*Third.* In conducting a School of Design, adapted to mechanical, manufacturing, artistic and scientific purposes.

*Fourth.* In the establishment of popular Lectures on subjects connected as far as practicable, with manufactures, mechanics, and their collateral sciences.

*Fifth.* In the formation of a Library and Reading Room, a Cabinet of Minerals and Models, and Philosophical and Mechanical Apparatus.

*Sixth.* In fostering the Chemical Department of the Institute.

# ARTICLE IX.—COMMITTEE ON INVENTIONS, IMPROVEMENTS AND DISCOVERIES.

SEC. 1. At the first Stated Meeting of the Institute in each and every year after the Annual Election, a Standing Committee on Inventions, Improvements and Discoveries, to consist of nine members, shall be elected by ballot, who shall serve until their successors are elected, and who shall perform the following duties:

## SEC. 2.—*Their Duties.*

It shall be the duty of this Committee to take charge of all special applications to the Institute and Board of Managers for the trial, examination, or investigation of any new invention, improvement, or any scientific or mechanical discovery. They shall proceed at once after such application has been referred to them to make a full investigation of the subject, or appoint other and suitable skilful persons from the Institute to make such investigation or examination, as may be necessary in order to arrive at a full and explicit conclusion as to the merits of the case, which examination shall be made under their supervision, and the results of which in every instance shall be made known to the Board in a written and detailed report signed by themselves and the parties called in by them, which reports must set forth briefly the *reasons* that influenced their determination, and recommend such action in the premises by the Board in the form of resolutions, as they may deem proper.

No inventor or other person interested in the issue of an investigation shall be present while it is under the committee's consideration, except at their special invitation, and in cases where there may be rivalry, all parties interested shall have the same privileges.

# ARTICLE X.—INCOMPETENCY OR UNFAITHFULNESS.

SEC. 1. Officers found incompetent for, or unfaithful in the discharge of their duties, shall be removed by a vote of a majority of its members present at any regular or stated meeting.

**SEC. 2.** The Board of Managers may, and they are hereby authorised to declare the seat of any of their number vacant after an absence from the Board of three consecutive stated meetings, and report the same to the Institute, except in cases where leave of absence shall have been granted by the Board in advance. The Institute shall fill the vacancy in the manner hereinbefore provided.

**ARTICLE XI.—BY-LAWS AND RULES OF ORDER.**

By-Laws and Rules of Order for the government of the Institute, may be made or amended at any stated or special meeting, provided two-thirds of those present concur therein.

**ARTICLE XII.—ALTERATION OF THE CONSTITUTION.**

To alter or amend this Constitution, notice of the proposed amendment shall be given at any stated meeting of the Institute, but it shall not be acted upon until the next or a subsequent meeting.

# BY-LAWS.

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## ARTICLE I.—MEETINGS.

The meetings of the Institute shall be opened in November, December, January and February, at 7 o'clock; in March, April, September and October, at 7½ o'clock; and in May, June, July and August, at 8 o'clock.

## ARTICLE II.—MEMBERS.

SEC. 1. Persons who have been elected by the Institute shall sign their names to the Constitution, and pay the initiation fee, and one year's dues, before they shall be considered full members.

SEC. 2. The annual contribution of members shall become due and payable in advance on the first day of September, in each and every year.

SEC. 3. Any member whose subscription shall remain unpaid six months after the same shall have been due, shall forfeit his membership. Nor shall a member be entitled to any of the privileges or rights of membership, while in arrears to the Institute.

SEC. 4. Members on paying their yearly dues, shall receive a certificate of membership for the fiscal year, signed by the President and Secretary.

## ARTICLE III.—DUTIES OF THE OFFICERS.

### SEC. 1.—*Duty of the President.*

SEC. 4. It shall be the duty of the President to preside at all meetings of the Institute, and also of the Board of Managers, enforce a due observance of the Constitution and By-Laws, see that all officers and committees perform their respective duties, appoint all committees and officers not otherwise provided for, inspect and announce the results of all bal-

lotings or other votes, and direct the Secretary to call special meetings when application is made in accordance with the Constitution. He shall sign all orders on the Treasurer passed by the Board, and none others, and perform all other duties devolving upon the President.

In the absence of the President, one of the Vice Presidents in order shall preside, and in the absence of all these, a President *pro tem* shall be chosen, who shall be invested with all the powers of the President.

SEC. 2.—*Duty of the Recording Secretary.*

The Recording Secretary shall keep a fair and impartial record of the proceedings of the meetings of the Institute, and of the Board of Managers; and shall give public notice of the stated and special meetings of the Institute and Board. All books under his charge shall be subject to the examination of the members of the Institute. He shall attest to all monies ordered to be paid by the Board of Managers; and none other. He shall on all occasions, notify all committees of their appointment, and furnish the chairman of each committee with so much of the proceedings as relates to the object for which it was appointed, and perform all other duties that may be required of him by the Institute or the Board of Managers.

SEC. 3.—*Duty of the Corresponding Secretary.*

The Corresponding Secretary shall answer all letters addressed to the Institute; shall open and maintain such correspondence as may tend to advance its interests, under the direction of the Board of Managers, and keep a record thereof, which record shall be open for the examination of the members of the Board. He shall acknowledge the reception of all donations to the library, cabinet, &c., and shall notify honorary or corresponding members of their election.

SEC. 4.—*Duty of the Treasurer of the Institute.*

The Treasurer shall receive all monies of the Institute and safely keep the same in such place and manner as the Board

of Managers may direct ; and shall make no payments without written vouchers from said Board, attested by the signatures of the President and Secretary ; he shall keep full and accurate accounts of his receipts and disbursements, and shall exhibit a true statement thereof in writing to the Board of Managers, and the Institute, at all their stated meetings, and at such other times as they may require. He shall deposit, in such Bank as the Board of Managers may direct, all monies received by him over and above \$50, and shall, at every regular meeting, lay before the Board of Managers his Bank book, and book of receipts and expenditures. He shall draw no money from Bank except by check, signed by himself, and countersigned by the President or Recording Secretary.

*SEC. 5.—Duty of the Treasurer of the Hall Fund.*

The duty of the Treasurer of the Hall Fund shall be to receive and disburse all monies connected with that department, and to report at every monthly meeting of the Institute and the Board of Managers, in writing and in detail, the receipts and disbursements for the month, and the condition of said fund, and at each and every annual meeting of the Institute, and the annual meeting of the Board immediately preceding the annual meeting of the Institute, shall present a full yearly report.

**ARTICEE IV.—DUTY OF THE BOARD OF MANAGERS.**

**SEC. 1.** The President, two Vice Presidents, Recording Secretary, Corresponding Secretary, Treasurer of the Institute and Treasurer of the Hall Fund, shall be ex-officio members of the Board of Managers.

*SEC. 2.—Election of Committees and Actuary.*

It shall be the duty of the Board as soon after their election as possible, to elect by ballot from their own body the following standing committees, viz : Committee on Exhibition, to consist of nine ; Committee on School of Design, to consist of seven ; Committee on Lectures, to consist of five ; Committee on Library, to consist of five ; committee on the

Hall, to consist of five ; Committee on the Chemical department, to consist of five ; and an Actuary, either from the Board or Institute at large.

SEC. 3.—*Committee on Awards.*

The Board shall also at a meeting immediately preceding the Annual Exhibition, elect a Committee on Awards, eleven in number, whose duty it shall be to receive and collate the Judges' Reports, and arrange the Premiums to be bestowed.

SEC. 4.—*General powers.*

1. The Board of Managers shall have charge of all matters of finance, and the various concerns of the Institute, provided for in the Constitution, reporting the same at the next stated meeting of the Institute.

2. The Board shall keep regular minutes of their proceedings, in a book prepared for that purpose.

3. The Board shall hold regular stated meetings of their own body once in each month. They shall enact such rules and regulations, for their own government, as they may deem requisite.

4. Nine of their number shall constitute a quorum at any stated meeting, but at any special meeting, thirteen members shall be necessary.

5. They shall require all the Standing Committees to report to them monthly, and in writing, during the entire period of the progress and execution of their arrangements, and to submit a full and general report at the close of their duties ; —and also be prepared at all times to furnish them with every detail connected with the respective branch of operations they may have in charge.

ARTICLE V.—DUTIES OF THE STANDING COMMITTEES.

SEC. 1.—*Duty of the Committee on Exhibition.*

It shall be the duty of this Committee to make all the necessary arrangements for holding the Annual Exhibition of American Manufactures, at such time as the the Board may

designate. They shall have power to make all necessary contracts and disbursements, to carry out fully the object of the Institute in holding the Exhibition. They shall have prepared such gold, silver and bronze medals, diplomas, or other awards, as the Board may direct, as premiums for the first, second and third class American productions, of superior merit, to be determined by competent and impartial judges, and awarded by the Committee on Awards. They shall classify the articles exhibited, and shall nominate, subject to the approval of the Board of Managers, judges on the several classes, and as soon after the opening of the Exhibition as possible, afford them the best opportunity for their examinations. They shall make explicit reports in writing of their proceedings at each stated meeting of the Board until the close of their duties.

*SEC. 2.—Duty of Committee on School of Design.*

It shall be the duty of the Committee on School of Design to make the necessary arrangements for opening the same, not later than the third week in November, and continue it open four months. They shall employ competent teachers to take charge of the School; establish rules and regulations for its government, and have the entire control thereof. They shall be personally present as much as possible during the session, see that the rules and regulations are observed and enforced, and afford such aid to the officers of the school as may be required. They shall make written reports to the Board at each stated meeting held during the time they are arranging for and conducting the School, and also a full report at the close of the session, detailing the results of their operations, for the year, and showing the progress made in that Department.

*SEC. 3.—Duty of the Committee on Lectures.*

It shall the duty of the Committee on Lectures to make arrangements for, and to conduct a course or courses of Lectures, to commence in November, to be delivered at such

times and place as they may determine, and make monthly reports in writing upon their preparations and arrangements.

*SEC. 4.—Duty of the Committee on the Library.*

It shall be the duty of the Committee on the Library to purchase all suitable books, maps, &c. to the extent of the funds appropriated. They shall see that the Librarian performs the duties required of him. They shall make such rules and regulations, for the government of those who visit the Library rooms, as they may deem expedient and proper. They shall see, from time to time, what books are out of order, or require re-binding, and have the same put in order. They shall make monthly written reports to the Board, of their operations, and upon the condition of the Library.

*SEC. 5.—Duty of the Committee on the Hall.*

The duty of the Committee on the Hall shall be, to take charge of the Institute's Building, to adopt the necessary means for keeping it in repair, and rent it from time to time, as demand may be made for it. They shall report to each meeting of the Board all the rentals of the Hall, and present monthly a written statement of the same, with their receipts and expenditures.

*SEC. 6.—Duty of the Committee on the Chemical Department.*

The Committee on the Chemical School shall extend a general supervision over its affairs, and confer at all times with the professor in the management of the Laboratory, reporting to the Board monthly the operations and condition of their Department

*SEC. 7.—Duty of the Actuary.*

It shall be the duty of the Actuary to attend at and take charge of the Hall of the Institute, see that it is kept in proper and comfortable order, and opened and closed at such hours as the Board of Managers or Committee on the Hall may direct. He shall have charge of the Library, the Cabinet of Minerals, Models, philosophical and mechanical Apparatus, &c. and be responsible for the safe keeping of the

same. He shall also have charge of the books of the Institute and Hall, and under the direction of the Board or the Finance Committee, keep them in such manner as will at all times show the exact state of Institute and Hall Funds, and make monthly reports of the same to the Board of Managers. He shall keep a correct record of all the members, alphabetically arranged ; receive and credit each with the amount of dues annually paid ; issue the annual tickets, and notify all new members of their election. He shall pay over to the Treasurers from time to time, as the Board of Managers may direct, all moneys by him received, and make monthly reports to the Board of the same. It shall be his duty at all times when called upon by any of the special or standing committees, to confer with them, and render them as far as lays in his power, all information and assistance in the arrangement or settlement of the affairs of the Hall or Institute, and at all times, as circumstances may arise, in view of which he has not authority to act, shall apply to the next meeting of the Board for instruction.

He shall give Bond in the sum of Five Thousand Dollars for the faithful performance of his duties, with two or more sureties, to be approved by the Board. He shall perform all other duties required of him by the Standing Committee or the Board of Managers.



# RULES OF ORDER.

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## RULE I.

The following shall be the order of business at each meeting of the Institute:

1. The President shall take the chair at the appointed hour and call the meeting to order.
2. The minutes of the proceedings of the last preceding meeting read and considered, except at special meetings, when the business for which the Institute was convened shall be first in order.

(Same as to minutes of special meetings.)

3. Proposal of candidates for membership, and election of the same.
4. Reading of correspondence.
5. Announcement of donations.
6. Report of Board of Managers, Treasurers, &c. read and considered.
7. Reports of special committees read and considered.
8. Disposition of deferred or unfinished business.
9. Resignations considered.
10. New business.

## RULE II.

Should the foregoing order of business not be completed at any one meeting of the Institute, the order shall be resumed at the next meeting, where it stopped at the previous meeting, except that the first five branches of the foregoing order shall be called at each meeting.

## RULE III.

The President, while presiding, shall state every question coming before the Institute, before suffering debate thereon, and, immediately before putting it to vote, shall ask, "Is the Institute ready for the question?"

## RULE IV.

When the decision of the President on points of order is appealed from, he shall state his decision, and the reasons therefor, from the chair. The party appealing shall then briefly state the reason for his appeal. The question, when taken, shall be put thus, "Shall the decision of the chair stand as the judgment of the Institute?"

## RULE V.

Every member, while speaking, shall confine himself to the question under debate; and avoid all personality and indecorous language.

## RULE VI.

Should two or more members rise to speak at the same time, the chair shall decide who shall have the floor.

## RULE VII.

No member shall disturb another in his speech, except to call him to order.

## RULE VIII.

If a member, while speaking, shall be called to order, at the request of the chair he shall cease speaking, and take his seat until the question of order is determined, when he may again proceed, in order.

## RULE IX.

No member shall speak more than once on the same question until all the members wishing to speak shall have an opportunity so to do, nor more than twice, without permission of the Institute.

## RULE X.

All resolutions shall be reduced to writing, if required, before the President shall state the same to the Institute.

## RULE XI.

When a blank is to be filled, the question shall be taken first upon the highest sum or number, and the longest time proposed.

## RULE XII.

Any member may call for a division of a question when the sense will admit of it.

## RULE XIII.

When a question is before the Institute, no motion shall be received, unless to adjourn, to take the previous question, to lay on the table, to postpone indefinitely, to postpone to a definite time, to refer, or to amend; and they shall have precedence in the order herein arranged, the first four of which shall be decided without debate.

## RULE XIV.

If a motion to adjourn be adopted, and the Institute has not previously resolved on the adjournment, to meet at a particular period, the effect of the motion shall be to adjourn to the next regular meeting.

## RULE XV.

The motion to take the previous question, may be made by any two numbers, and shall be put in this form, "shall the main question be now taken?" and if adopted, the effect shall be to bring the meeting to a vote upon the question pending at the time the previous question was called for. If such question was an amendment to an original proposition, the vote shall be taken upon the amendment first, and next upon the original proposition as amended, or not, as the case may be, and if the question pending is an amendment to an amend-

ment, the question shall be first taken on the last amendment, and so down to the original proposition.

#### RULE XVI.

The effect of the motion to lay upon the table, if adopted, shall be to prevent the question being taken up again on the same evening without a two-third vote.

#### RULE XVII.

No resolution which has been rejected, shall be renewed at the same meeting, unless reconsidered as provided for in the 18th rule.

#### RULE XVIII.

Any question which has been indefinitely postponed, shall not be renewed at any time before the next monthly meeting, and then only upon the condition as explained in the next rule.

#### RULE XIX.

All votes, other than on amendments to the By-Laws or Rules of Order, or indefinite postponement, may be reconsidered at the same or next regular meeting, upon a motion made and seconded by two members who voted in the majority, provided the Institute agree; but after a motion to reconsider has once been lost, it shall not be renewed.

#### RULE XX.

Every member present shall vote on all questions before the Institute, unless incapacitated under the provisions of the Constitution and By-Laws.

#### RULE XXI.

A motion to excuse a member from voting shall be put without debate.

#### RULE XXII.

When a motion has been declared carried or lost by the usual manner of voting, any member, before the Institute proceeds to other business, may call for a count.

## RULE XXIII.

All reports of committees shall be in writing, and when read to the Institute, shall be considered as accepted, without a vote, unless objection be made thereto.



# **RULES OF ORDER**

FOR THE GOVERNMENT

## **THE BOARD OF MANAGERS.**

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1st. The times of Meeting of the Institute, shall govern the meetings of the Board.

2d. The President of the Institute shall be Chairman of the Board, and in his absence a chairman pro tem. shall be chosen.

3d. Nine members shall constitute a quorum at all stated and first adjourned stated meetings—but at other meetings thirteen shall be necessary.

4th. At the appointed hour of stated meetings, the chairman shall call the Board to order, when the roll shall be called, and all absentees fined  $12\frac{1}{2}$  cents.

5th. Members who shall appear within ten minutes after roll call, shall be exempted from fine—all others appearing after that time shall be fined  $6\frac{1}{4}$  cents.

6th. The first business after roll call shall be the reading and approval of the proceedings of the previous meeting—then Unfinished Business—Correspondence—Donations—Reports of Standing Committees—Reports of Special Committees—and New Business.

7th. No member shall speak more than twice on any subject, nor longer than 5 minutes at any one time, without special permission of the Board.

8th. When a member is addressing the chair on any subject, the members shall observe silence.

9th. When a subject is under consideration no motion shall be made, but to adjourn, lie on the table, postpone, to amend, or the previous question.

10th. A motion for the previous question, to adjourn, or to lie upon the table shall always be taken without discussion.

11th. In voting on any question, the chairman shall always give the casting vote, if there is a tie.

12th. The funds collected for fines shall be safely kept by the chairman, and the Board shall, at its last meeting previous to a new election, dispose of them as it may please to determine.

13th. Absence from the city, or personal or family sickness shall be a sufficient excuse for non-attendance.

14th. The Board shall be governed by the Rules of Order of the Institute in all cases unprovided for herein, and in cases where no rule of the Institute has been provided, the ordinary parliamentary usage shall prevail, as collated by Cushing.

# THE INSTITUTE'S HALL

AT BALTIMORE.

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The site of the Hall is a very eligible one, fronting as it does on Baltimore street, and within two hundred yards of the Merchants' Exchange, Post Office, and City Hotel. The lot is that on which the head section of the old Centre Market stood, and has a sixty foot front, with a depth of three hundred and fifty-five feet to Second street. The basement story of the building, is a Tuscan Arcade, having seventy pilasters, with capacious archways, affording free access to the market, to the purposes of which this story is still devoted.

The Halls of the Institute, though over the market, and supported by the same foundation, are entirely separated from it. So well, indeed, has this been done, that a stranger might enter the Institute many times without knowing that there was an extensive market house beneath it. The main entrance to the Institute, is a large archway in the centre of the building on Baltimore street, where you ascend a double flight of steps, fifteen feet wide, to the first floor. On a broad platform, half way (ten feet) up this flight, there are ticket offices on either side. A spacious vestibule is reached at the head of these stairs, on either side of which, is a large office or dressing room. The grand stair hall, on this floor, is twenty-five feet square, at the back of which, is the LIBRARY ROOM, fifty-five by thirty-six feet, with a fourteen foot ceiling.—Directly in front of the the landing, at fifteen, feet distance, is a doorway twelve feet wide, opening into the grand saloon; this room, "in the clear," is two hundred and fifty,

by fifty-five feet, with a thirty-two and a half foot ceiling. It has twenty windows, ten on each side, which are each seventeen and a half by seven, and a grand promenade gallery, seven feet wide on the sides, and ten feet at each end of the room, running entirely around it, at a height of fourteen feet from the floor, and supported by eighty strong and beautiful iron brackets, set into the walls. Thus the necessity of obstructing the main floor by pillars or columns, or of using suspension rods, is entirely avoided, and the floor is left entirely free and clear—the largest clear floor in America. This great room is finished in a simple but really beautiful style. The fresco painting upon the ceiling and walls, is one of the most artistic specimens of that kind of work that can be found any where. The design is chaste and architecturally appropriate, and the colors are rich and well blended. In order to render this room fit for concerts or public speeches, due care has been taken. A beautiful cove is placed in the cornice, which has much improved its acoustic properties. Though not containing as much ornament as some of our public halls, it is thought that, as a whole, this is the finest Ball or Exhibition Room in the country. Some two thousand persons may promenade the handsome galleries, while four thousand more may be seated, or six thousand could easily stand upon the main floor, making its capacity, in any event, very great.

On a level with the floor of the grand saloon, there are, in each of the end buildings, large rooms, and above them are other rooms, on a level with the gallery floor of the grand saloon. There is, on each of the end buildings, another floor still, with rooms equally as large as those below them.

## HONORARY MEMBERS.

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|                           |                           |
|---------------------------|---------------------------|
| JOHN G. MORRIS, D. D.,    | Baltimore.                |
| EDWARD STABLER,           | Maryland.                 |
| WM. F. LYNCH, U. S. N.,   | do.                       |
| WILLIAM BAER,             | Maryland.                 |
| J. M. S. CAUSIN,          | do.                       |
| PROF. CAMPBELL MORFIT     | do.                       |
| HORACE GREELEY,           | New York.                 |
| PROF. A. D. BACHE,        | Sup't U. S. Coast Survey. |
| EDWARD K. COLLINS,        | New York.                 |
| ZADOCK PRATT,             | do.                       |
| G. W. BURNAP, D. D.,      | Baltimore.                |
| PROF. SAMUEL F. B. MORSE, | New York.                 |
| PROF. CHARLES G. PAGE,    | Washington.               |
| J. H. B. LATROBE,         | Baltimore.                |
| RICHARD FULLER, D. D.,    | do.                       |
| WM. D. GALLAGHER.         | Cincinnati.               |
| PROF. JOSEPH HENRY,       | Smithsonian Institute.    |
| GEORGE PEABODY,           | London.                   |
| PROF. M. F. MAURY,        | National Observatory.     |
| S. TEACKLE WALLIS,        | Baltimore.                |
| EDWARD GRAY,              | do.                       |
| CHARLES F. STANSBURY,     | Washington                |
| JOHN P. KENNEDY,          | Baltimore,                |
| W. W. SEATON,             | Washington.               |
| THOMAS SWANN,             | Baltimore.                |
| DR. E. K. KANE, U. S. N.  | Philadelphia.             |
| JOHN W. GRIFFITHS,        | New York.                 |

## LIFE MEMBERS.

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### A.

Emerson Ames,  
Simeon Alden,  
Geo. W. Andrews.

### B.

N. F. Blacklock,  
Zenus Barnum,  
Chas. W. Bentley,  
Jos. L. Bonnett,  
Edwin Bennett,  
John W. Ball,  
J. N. Bonaparte,  
Hugh Bolton,  
Mrs. William Browne,  
Richard Bishop,  
John Burris,  
Wm. Geo. Baker,  
William F. Bokee,  
James R. Baylis,  
William Bayley,  
William Bridges,  
William L. Brown,  
Thomas Balbirnie,  
John H. Barnes,  
B. S. Benson.

### C.

H. D. G. Carroll,  
Thomas Creamer,  
Elias Clappitt,  
Wm. Crane.  
A. Fuller Crane,  
James Cooper,  
Wm. Cordray,  
Walter Crook, Jr.  
Archibald Campbell,  
Richard B. Chenowith,  
Joseph R. Codet,  
F. S. Corkran,

John Campbell,  
William Chesnut,  
T. A. Cunningham,  
Mrs. Deb. Cromwell,  
Robert Craig,  
William Coughlan,  
Lewis G. Curlett,  
James E. Cochran.

### D.

George R. Dodge,  
John F. Davis,  
Hugh Devalin,  
Thomas C. Dunlevy,  
Charles W. Davis,  
Joseph Daiger, Jr.  
John Dushane,  
John Dunlap,  
Adam Denmead,  
Benjamin Deford.

### E.

Richard Edwards, Jr.  
Robert Eareckson,  
Henry English.

### F.

Andrew Flannigain,  
Dr. Richard Fuller,  
Francis A. Fisher,  
L. W. T. Flannigain,  
Peter Flamm,  
Leon Frank,  
George Frick.  
John Feast.

### G.

James B. George,  
James D. Gilmour,

William Gilmor,  
John R. Giles,  
Isaac S. George.  
William Garrott,  
Edward Gray,  
Mrs. John Glenn,  
Israel Griffith.

### H.

James S. Hagerty,  
Aaron Hoffman,  
Ephraim Hoffman,  
Mrs. Daniel Holt,  
Isaac Hartman,  
James W. Heron,  
H. W. Heird,  
William Hooper,  
James Hall,  
A. V. Houck,  
F. W. Hoffman,  
Thomas J. Hand,  
Johns Hopkins,  
George H. Hickman,  
Dr. F. E. B. Hintze,  
Kaufman Hamberger,  
Orville Horwitz,  
David W. Hudson.

### J.

Asbury Jarrett,  
Wm. Henry James,  
Basil H. James,  
W. Henry Johnson,  
Allen L. Innes,  
Reverdy Johnson.

### K.

George V. Keen,  
William Kennedy.

## L.

Ephraim Larrabee,  
George A. Lovering,  
Thomas J. Lovegrove,  
James H. Luckett,  
Milo Lewis,  
William Linton,  
James Logue,  
Amos Lovejoy,  
J. M. Laroque,  
John H. Lange.

## M.

Andrew McLaughlin,  
William Minifie,  
Thomas Mullen, Jr.  
Horace Magne,  
R. McEldowney,  
A. C. Miskimmon,  
Alex. McComas,  
J. Howard McHenry,  
James Mitchell,  
John Murphy,  
J. W. Middleton,  
John B. Morris.  
A. G. Mott,  
William McCann,  
Richard C. Mason,  
Robert Moore,  
Richard Mayger,  
John F. Meredith.

## N.

J. Crawford Neilson,  
J. R. Niernsee,  
Edward Needles,

Isaac L. Nicholson,  
C. J. Nicholson,  
Thomas N. Neilson.

## O.

Charles Ogle,  
John M. Orem.

## P.

Enoch Pratt,  
Jonathan Parker, Jr.  
William B. Perine,  
George C. Penniman,  
Charles H. Pitts,  
George Page,  
George F. Page,  
R. H. Pennington,  
Jeseph W. Patterson.

## R.

William H. Rose,  
Joshua Regester,  
Samuel E. Rice,  
Sam'l C. Ridgaway,  
P. E. Reiley,  
Miss Henrietta Randall  
Henry R. Reynolds,  
Josiah Reynolds,  
William H. Reasin,  
John G. Reaney.

## S.

Samuel Sands,  
Wm. Bell Sands,  
J. H. Stickney,  
Alex. L. Spear,

Dr. Jos. S. Stevenson,  
Thomas Swann,  
Henry C. Sultzer,  
N. Stocksdale,  
Jas. E. Stocksdale,  
David B. Smull,  
Richard P. Sherwood,  
Hugh Sisson,  
Lawrence Sangston,  
John J. Snider.

## T.

Jacob B. Thomas,  
Joseph Thomas,  
John H. Tucker,  
Dr. J. H. Thomas,  
Richard H. Townsend,  
John T. Thompson,  
Jacob Trust,  
Thomas F. Troxell,  
Wm. S. Thompson,  
Thomas Trimble,  
Jos. J. Turner,  
Francis Turner,  
Edwin S. Tarr.

## W.

T. Yates Walsh,  
Alex. P. White.  
Wm. C. Wait,  
Marcus Wolf,  
Noah Walker,  
Peter Wilcox,  
Samuel G. Wyman,  
Charles Webb,  
David H. White.

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# ANNUAL MEMBERS.

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## A

### Senior Members.

Albaugh, Hy. C.  
 Achey, Charles F.  
 Allnut, James W.  
 Ames, Hudson N.  
 Acton, Samuel G.  
 Allen, G. S.  
 Allison Philip S.  
 Allnut, E. S.  
 Arnold, John  
 Armiger, John  
 Arnold, George  
 Anderson, Thomas D.  
 Addison, William W.  
 Anderson, James  
 Atkinson, Samuel  
 Afflick, James  
 Aitkin, Alexander M.  
 Airery, George W.  
 Allen, James  
 Abrahams, Woodward  
 Addison, George C.  
 Anderson, Wm. E.  
 Anderson, Col. Jas. M.  
 Adair, John  
 Arnold, S. S.  
 Alward, William H.  
 Atkinson, George  
 Adams, Samuel H.  
 Armstrong, James  
 Abbott, Samuel R.  
 Adams, James C.  
 Abbott, E. A.  
 Atkinson, Thomas T. C.  
 Amos, Dr. Corbin  
 Arnold, G. W.  
 Addison, George M.  
 Adams, Revd. Geo. F.  
 Addison, Samuel S.  
 Atwell, R. H.  
 Adkinson, Wm.

Abbott, Horace  
 Andrews, R. Snowden  
 Asche, Julius  
 Ayres, Charles C.  
 Adkins, Dr. J. L.

### Junior Members.

Allen, Robert J.  
 Ash, John M.  
 Amos, John  
 Applegarth, John W.  
 Akers, Joseph  
 Ashlager, Wm.  
 Adams, John A.  
 Armstrong, Jas. Jr.  
 Arnold, T. F.  
 Allison, Robert H.  
 Addison, John A.  
 Adams, George  
 Allen, Samuel  
 Adams, C. Columbus  
 Austin, Alex. R.  
 Allen, L. Byron  
 Atkinson, Thos. F.  
 Adams, Charles S.  
 Armstrong, James H.  
 Auld, Edward  
 Ashton, Wm. C.  
 Armstrong, R. Dorsey  
 Armiger, Jas. R.  
 Arlow, John F.  
 Ashton, J. M.  
 Addison, Samuel T.  
 Anderson, W. Scott  
 Anderson, Clifford C.  
 Adams, G. T.  
 Ash, George T.  
 Applegarth, G. W.  
 Anderson, J. T.  
 Armstrong, H. L.  
 Allen, William, Jr.  
 Addison, G. C. of S.

Adams, A. M. J.  
 Armstrong, John, Jr.  
 Anderson, Oliver, Jr.  
 Airey, Wm. F.  
 Ash, Charles J.

## B

### Senior Members.

Benson, William  
 Balderston, Jacob  
 Bangs, Charles  
 Bayley, J. F. nley  
 Brashears, John P.  
 Bolgiano, John  
 Browne, L. B.  
 Barry, George E.  
 Baker, Wm. A.  
 Barton, Wm. N.  
 Buchwalter, Gen.  
 Burt, A. P.  
 Benner, Hy. S.  
 Barnes, Winston  
 Barnes, J. H. (Painter)  
 Bosley, E. M.  
 Burden, Furgus  
 Barstow, Joshua  
 Benson, Samuel H.  
 Brown, Wm. T.  
 Banks, Robert T.  
 Bouldin, Augustus  
 Brice, G. A.  
 Baylies, Nicholas  
 Barling, Joseph  
 Barrett, John L.  
 Bond, John H.  
 Burgess, Chas. H.  
 Buck, J. E.  
 Bollman, Wendel  
 Brown, Jehu  
 Beehler Hy. S.  
 Boyd, Philip T.

Bennett, Wm. J.  
 Brown, Wm. D.  
 Burgess, Caleb W.  
 Becker, J. A. H.  
 Bibb, B. C.  
 Brooks, Wm.  
 Blackburn, Cyrus  
 Brown, Albert M.  
 Barrett, Francis O.  
 Brannon, John  
 Boyd, Wm. A.  
 Barlow, Joseph  
 Benson, John P.  
 Boyd, Wm. G.  
 Barrett, John P.  
 Blake, Charles  
 Baughman, F. M.  
 Broughton, P. W.  
 Bender, Edmund C.  
 Bidison, Zachariah  
 Ballard, Thos. J.  
 Brinkley, J. B.  
 Burrough, Jacob  
 Bump, J. L.  
 Beatson, John  
 Bowen, Joseph M.  
 Barling, Joseph, Jr.  
 Bilson, Samuel  
 Bealmer, Thomas  
 Bishop, W. T.  
 Baughman, Joseph  
 Burford, C. C.  
 Bennett, Thomas S.  
 Brown, Thos. M.  
 Boone, Robert  
 Braidwood, G. K.  
 Bines, Robert  
 Brown, Edward  
 Boyd, J. W.  
 Brown, M. J.  
 Brown, Wm. A.  
 Bassett, G. T.  
 Butler, Samuel  
 Bankard, N. D.  
 Baker, R. J.  
 Brent, R. J.  
 Barger, Deeter  
 Boyd, George S.  
 Brown, George W.  
 Brian, Jas N.  
 Bier, Jacob  
 Boston, John E. H.  
 Blake, Joel N.  
 Brownly, Joseph  
 Brewer, Nicholas  
 Bool, D. W.  
 Buesh, Hy.  
 Brewer, George  
 Brune, John C.

Bruce, John M.  
 Brunner, Wm. T.  
 Butler, Thos.  
 Bond, Jas. H.  
 Burnett, Samuel  
 Ballard, L. E.  
 Bonn, Anthony  
 Bandel, Samuel L.  
 Berger, John  
 Bevan, R. A. L.  
 Beacham, John S.  
 Brady, Edward  
 Boyle, Edward A.  
 Brown, Robert  
 Brown, C. F.  
 Barton, J. J.  
 Blass, Wm. H.  
 Boyd, Joseph C.  
 Baker, F. S.  
 Bennett, Benj. F.  
 Boyd, F. H. B.  
 Beacham, Wm.  
 Billmyer, Joseph  
 Baynes, Thos.  
 Boyd, Wilson R.  
 Brashears, J. B.  
 Brown, John  
 Bailey, Edwin  
 Berg, Revd. John  
 Baynes, James  
 Bokee, George M.  
 Bonsal, Louis  
 Bull, Isaac  
 Briding, E. W.  
 Boyd, J. Howard  
 Beckett, Wm.  
 Brown, Thomas  
 Bevan, John  
 Balderston, Isaiah  
 Brown, Isaac  
 Bailey, L. E.  
 Bartlett, D. L.  
 Bantz, T. S.  
 Belt, Eugene N.  
 Beacham, Silas  
 Burbower, L.  
 Burn, James M.  
 Belt, Hickman  
 Brown, Robert, Jr.  
 Bruce, Robert  
 Barber, W. E.  
 Barber, S. W.  
 Betton, Thos. W.  
 Buchanan, W. C.  
 Bolton, Henry  
 Bankhard, Joseph J.  
 Battee, R. N.  
 Brice, Wm. N.  
 Burchale, Thos, W.

Brice, N. C.  
 Baird, Prof. T. D.  
 Bradley, Wm. C.  
 Brown, T. J.  
 Bickell, Philip T.  
 Burke, Wm. T.  
 Brown, Levi K.  
 Bartol, James L.  
 Bevan, Thomas  
 Beacham, Jas. A.  
 Brien, John V.  
 Bragg, Wm. F.  
 Burnett, Joseph  
 Burke, Jas. H.  
 Boyd, Joseph H.  
 Bech, F. W.  
 Boyd, Andrew G.  
 Brett, C. K.  
 Blair, L. P.  
 Brodie, James  
 Bobeth, Charles  
 Burnes, John  
 Bokee, John C.  
 Blanchard, D. H.  
 Bowers, Thos. M.  
 Beary, John  
 Beatty, Jas.  
 Bolton, Hugh W.  
 Byrn, Wm. H.

### Junior Members.

Benswanger, Simon  
 Penthall, T. W.  
 Beaston, J. C.  
 Bolgiano, Joseph Ault  
 Bolgiano, Francis W.  
 Baker, N. R.  
 Baker, Wm. S. G.  
 Baynes, John B.  
 Bullock, John  
 Bixler, Daniel, Jr.  
 Barton, Philip A.  
 Bothman, Fred.  
 Bothman, Gustave  
 Burgess, Chas. R.  
 Bancroft, Chas. F.  
 Bixler, Benj. M.  
 Babb, John, D., Jr.  
 Blessing, George  
 Broom, Daniel  
 Byrne, James  
 Bruning, H. H.  
 Bouis, Robert G. H.  
 Bowly, Samuel  
 Boyd, Wm. A. Jr.  
 Banks, Chas. W.  
 Bridge, Stephen L.  
 Barker, George T.

Bringham, Vinton D.  
 Brown, Jas. M.  
 Buck, Edward D.  
 Boyle, James  
 Burke, John O.  
 Bryding, George W.  
 Bennett, John J.  
 Buchta, John C.  
 Bodensick, Chas. F.  
 Brown, G. W.  
 Byrn, Thos.  
 Beehler, David E.  
 Bower, Lewis M.  
 Bartholow, L. L.  
 Bartholow, J. M.  
 Betts, Solomon, Jr.  
 Brady, George W.  
 Bancroft, John D., Jr.  
 Birch, Jas. H.  
 Benthall, Wm. M. R.  
 Betts, T. J.  
 Bridges, Wm. J.  
 Baer, George  
 Botterell, John  
 Bowersox, Theodore K.  
 Brown, Geo. W.  
 Beard, George R.  
 Bennett, Geo. A.  
 Barron, John M.  
 Browne, C. C.  
 Bonn, S. G.  
 Bonn, H. R.  
 Bonn, D. W.  
 Boulton, Thos. H.  
 Boulton, John Wm.  
 Boyle, John P.  
 Beaman, Wm. A.  
 Boston, Chas. H. H.  
 Boggs, Robert J. B.  
 Buchta, George P.  
 Brachen, John  
 Burrough, Samuel G.  
 Brawner, Daniel W.  
 Beurey, Wm. O.  
 Baer, Chas. W.  
 Brooke, Ballard S.  
 Beal, Wm.  
 Blair, C. E.  
 Bell, Geo. W. C.  
 Boggs, A. L. Jr.  
 Beaman, M. R.  
 Barker, Joseph H.  
 Bedford, John R. D.  
 Bailey, Josiah  
 Barnes, Robert, Jr.  
 Boyce, Jas. T.  
 Burnett, Wm. T.  
 Bandel, John, Jr.

Burruss, Hy.  
 Buckmiller, Wm. P.  
 Burgess, Benjamin T.  
 Burnham, John W.  
 Baney, Chas. E.  
 Bixham, Thos.  
 Brunner, Andrew  
 Bond, B. A.  
 Brown, James  
 Burke, Joseph  
 Bandel, Geo. W.  
 Baynes, Geo. B.  
 Bayley, Wm.  
 Bennett, L. E.  
 Beatly, Geo.  
 Ball, Samuel  
 Bartholow, B. F.  
 Bryan, M. A.  
 Bailey, Philip  
 Boyce, Edward  
 Bennett, G. R.  
 Burgess, Caleb W., Jr.  
 Bennett, John H.  
 Black, Finley  
 Brown, James  
 Bantum, John  
 Bokee, Howard  
 Brooks, G. W.  
 Buckler, L. H.  
 Binyon, Thos.  
 Birch, Charles  
 Bell, Wm.  
 Blair, Chas. W.  
 Barnett, Jas. V.  
 Bowerman, H.  
 Broadfoot, Wm. J.  
 Boyd, James  
 Bennett, Samuel E.  
 Bracco, Edward  
 Beale, Wm. T. B.  
 Bartleson, A. D.  
 Byrn, W. W.  
 Bryan, David A.  
 Bowers, Hy. A.  
 Bankard, Chas. H.  
 Bankard, Hy. N.  
 Bennett, Thos. F.  
 Buckingham, Jas. R.  
 Boston, Chas. G.  
 Bartrow, Joseph  
 Bush, G. W.  
 Bush, Wm. Henry  
 Bryan, John H.  
 Bond, J. Bosley, Jr.  
 Bouis, Stephen  
 Bond, Edward S.  
 Briscoe, Wm.  
 Bollman, Jas. Jr.

Bryan, John  
 Barclay, J. H.  
 Bratton, Edward  
 Boulden, Wm.  
 Bedford, Chas. H. D.  
 Bouchet, Joseph A.  
 Beck, Francis  
 Brewer, Daniel  
 Blake, George  
 Boyd, A. McK.  
 Bordly, Edward C.  
 Boone, Wm. H.  
 Brown, John W.  
 Betts, Chas. H.  
 Bolton, Hy.  
 Baker, John  
 Bayly, John  
 Billups, Chas. H.  
 Bartroff, Lewis  
 Bayley, Jas. S.  
 Baster, John  
 Ballard, G. Edward  
 Brown, Stewart  
 Barker, E. Williams  
 Bair, Wm. A.  
 Behrens, Barnett  
 Brown, Samuel, Jr.  
 Beall, Theodore  
 Brookings, Robert J.  
 Black, John  
 Brady, Thos.  
 Bowles, John R.  
 Banks, Andrew  
 Byrne, Terrance  
 Brown, Wm. H.  
 Black, B. F.  
 Brown, A. D.  
 Beucke, J. P.  
 Brown, Jas. A.  
 Benson, Joseph E.  
 Bevan, G. F.  
 Bay, Nathan  
 Betts, Edward, Jr.  
 Brown, Wm. D.  
 Blakeney, Wm.  
 Bredfelter, M.

## C

## Senior Members.

Clark, Jas.  
 Creery, Wm. R.  
 Carlile, Jas. H.  
 Cropper, Thos. J.  
 Cross, Richard J

Clautice, George  
 Cairns, Samuel  
 Cowles, Henry M.  
 Cochrane, John  
 Cochrane, Richard  
 Clackner, G. F.  
 Carner, A. S.  
 Coggins, Robert  
 Cunningham, C. R.  
 Camp, Jas. L.  
 Coggins, Chas.  
 Cunningham, W. Amos  
 Carson, S. R.  
 Cathcart, W. H.  
 Cathcart, Robert  
 Caskey, Robert  
 Cole, Wm. H.  
 Campbell, John  
 Chamberlin, O. K.  
 Cornelius, N.  
 Conaine Lewis  
 Carvel, Chas. F.  
 Coon, Wm.  
 Cappeau, Joseph, Jr.  
 Carter, Clement  
 Cross, John H.  
 Campbell, John F.  
 Clark, James G.  
 Cornell, Theodore  
 Chappell, Samuel M.  
 Crawford, Wm. H.  
 Codd, Wm. H.  
 Corbit, Emanuel  
 Cobb, Josiah  
 Chestnut, Capt. Samuel  
 Creamer, David  
 Corkran, B. W.  
 Carroll, Edward  
 Caughy, Benjamin  
 Coale, Nathan  
 Carroll, Thos.  
 Clark, Ashur  
 Cunningham, Geo. A.  
 Coles, Wm.  
 Cowan, Wm. H.  
 Clackner, Joseph  
 Cockey, S. Owings  
 Cole, Jas. W.  
 Childs, Jas. W.  
 Carroll, Chas. C.  
 Chambers, John  
 Carroll, T. G.  
 Clotworthy, Wm. P.  
 Carson, C. H.  
 Carson, David  
 Carson, Joshua  
 Carver, John W.  
 Cook, Revd. Isaac P.

Caldwell, Jas. A.  
 Chandlee, Edwin  
 Cunningham, M.  
 Cummings, John  
 Cowles, John W.  
 Cariss, Samson  
 Cassard, George  
 Craft, Wm. G.  
 Cline, A.  
 Coale, S. Robinson  
 Cole, A. C.  
 Caster, Robert J.  
 Cushing, Joseph, Jr.  
 Calder, Robert  
 Cropper, Z. H. H.  
 Cox, Nathaniel  
 Cowman, S. S.  
 Cottrell, Clark  
 Cole, Wm. P.  
 Cole, Wm. R.  
 Culberston, C. D.  
 Cox, John R.  
 Crocker, C. W.  
 Clendennin, Dr. A.  
 Carson, D. E.  
 Craighton, A. W.  
 Coupland, Richard  
 Chadbourn, Chas.  
 Coleman, Geo. A.  
 Child, Samuel  
 Cohen, Dr. J. J.  
 Cortlan, Jas.  
 Cook, Geo.  
 Carroll, Chas. R.  
 Crook, F. A.  
 Carrico, Wm.  
 Clare, Thos. J.  
 Cruser, Isaac  
 Clark, Geo.  
 Cleveland, J. S.  
 Clark, Jas.  
 Caldwell, Wm. Q.  
 Cohen, Jacob I.  
 Cook, John F.  
 Codd, Edward J.  
 Chiffelle, Thos. P.  
 Cohen, Israel  
 Caughy, J. H.  
 Crane, Dr. W. B.  
 Carroll, Hy. J.  
 Cowan, Henry  
 Champlain, J. Bond  
 Christy, Robert  
 Chappell, P. S.  
 Childs, Samuel, Jr.  
 Christopher, Josiah  
 Cooper, Hugh H.  
 Carter, Darus

Cummings, Walter B.  
 Cross, Alexander  
 Conradt, G. M. Jr.  
 Coleburt, Dr. Joseph  
 Crowley, Wm. S.  
 Callis, James H.  
 Coakley, P. H.  
 Clifton, Junius A.  
 Carroll, James  
 Clarkson, William  
 Clark, John P.  
 Cornelius, N.  
 Cole, John W.

### Junior Members.

Crawford, Andrew A.  
 Carroll, John W.  
 Cobb, Edward R. E.  
 Cockey, John  
 Cowman, S. S. Jr.,  
 Cole, George B.  
 Cousins, Wm. J.  
 Cook, George W.  
 Coonan, Michael  
 Craig, J. Morrill  
 Clark, Gabriel D. Jr.  
 Cathcart, Chas. H.  
 Cook-ey, Wm. N.  
 Carson, Wm. H.  
 Cole, C. M. Jr.  
 Chase, Francis  
 Chesney, Jesse D.  
 Castine, Emanuel M.  
 Crawford, Jas. B.  
 Carrier, Matthew A.  
 Crawford, Wm.  
 Coleman, Joseph  
 Chalfant, Edward J.  
 Cole, Lewis H.  
 Covington, Jas. H.  
 Cappeau, J. T.  
 Cook, J. M.  
 Chew, Jas. W.  
 Clarkson, Edward H.  
 Cullison, Jas.  
 Cassell, Thos. D.  
 Craig, Daniel B.  
 Clark, Stephen N.  
 Coleman, Geo.  
 Clark, Edward L.  
 Clautice, Wm. F.  
 Cornell, Mark J.  
 Cole, Wm. H.  
 Chambers, Geo. L.

Campbell, Robert, Jr.  
 Crout, John E.  
 Coggin, John  
 Clark, Wm. E.  
 Cox, Wm. H. H.  
 Cook, Richard B.  
 Coburn, J. W.  
 Coffield, Eugene  
 Cathel', Jas. R.  
 Claypole, Jas. Y.  
 Cook, John Jas.  
 Chrismer, J.  
 Campbell, John C.  
 Connolly, Thos. F.  
 Connolly, John B.  
 Carter, Edwin T.  
 Cromwell, John T.  
 Cromwell, E. H.  
 Conradt, Christian J.  
 Crownfield, H. F. K.  
 Chandler, Kernard  
 Colburn, N. K.  
 Cooper, Jas. J.  
 Crane, Chas.  
 Cox, Wm. P.  
 Coster, B. F.  
 Chappell, P. Edmund  
 Carson, Edward  
 Cushing, John, Jr.  
 Chapin, Chas. P.  
 Cole, Wm. H.  
 Cripps, Wm. W. L.  
 Clark, Francis  
 Cromwell, O. H.  
 Cockey, John R.  
 Chasteau, Thos. E.  
 Chipman, Edward H.  
 Christopher, Z. W.  
 Cockey, Wm.  
 Camper, Chas.  
 Camper, Alexander  
 Cadwallader, S. E.  
 Cockey, Edward C.  
 Cockey, Thos.  
 Courtney, Wm.  
 Cline, Geo. H.  
 Cook, Frederick  
 Cross, Wm. S.  
 Cross, E. D.  
 Chappeau, Jabez W.  
 Curlett, John G.  
 Councill, Julius C.  
 Cox, Jennings S.  
 Covington, John E.  
 Curry, Wm. P.  
 Coulter, Alexander M.  
 Chesbrough, Andron.  
 Cunningham, Wm. A.

Cathell, Jas.  
 Covington, H.  
 Crawford, Wm. R.  
 Carr, Francis N.  
 Crawford, John L.  
 Colley, Wm. H.  
 Creager, Geo. U.  
 Childs, Samuel  
 Cook, J. B.  
 Coggins, Jas.  
 Campbell, John  
 Cox, Jas. H.  
 Cox, Samuel E.  
 Chase, Isaac  
 Conoway, Jas. C.  
 Cunningham, Patrick  
 Cochran, Chas. C.  
 Carlisle, Wm. H.  
 Cook, Henry F.  
 Chappell, Kirshaw  
 Colston, F. M.  
 Camalier, Vincent  
 Cook, G. B.  
 Cole, W. R.  
 Crook, Walter Jas.  
 Cassard, Francis W.  
 Cassard, Louis  
 Caldwell, Wm. Q. Jr.  
 Caldwell, A. P.  
 Courtney, David  
 Chatard, P. F.  
 Chase, Geo. I.  
 Cushing, Robert H.  
 Coulter, Thos. B.  
 Cochran, Samuel  
 Cahill, Joseph  
 Clarke, Henry  
 Cline, Wm. H.  
 Clark, Jas.  
 Coulson, B. O.  
 Cumiskey, C.  
 Cruse, John  
 Chase, Henry  
 Collier, Chas.  
 Carland, L.  
 Cook, Wm. F.  
 Clinton, Thos. L.  
 Cunningham, W. W.  
 Corbell, H.  
 Carrick, Thos.  
 Chapman, J. W.  
 Carr, S. I.  
 Cannon, Jas. Henry  
 Cunningham, J. E. A.  
 Cowman, Henry  
 Connelly, John H.  
 Classen, Henry  
 Clark, R. A.

Cowan, Wm. L.  
 Cochran, Samuel H.  
 Crawford, Wm. D.  
 Crawford, Robert N.  
 Cozine, James W.  
 Cornthwait, Robt. H.  
 Cooper, Jas.  
 Connolly, J. Thos.  
 Carroll, Patrick  
 Cannon, Alex. H.  
 Cramblitt, Wm.  
 Cook, Lewis E.  
 Carmine, Littleton  
 Corner, Henry W.  
 Curran, Barnard  
 Coffin, Chas.  
 Cavanaugh, Martin  
 Clare, Wm. H.

## D

### Senior Members.

Dall, Joseph  
 Daffin, Benjamin  
 DeForges, John P.  
 Dushane, V.  
 Duncan, H. W.  
 Dukehart, Joseph  
 Denny, John  
 Dailey, John  
 Davis, George A.  
 Drury, Wm. H.  
 Denison, John M.  
 Dukehart, John  
 Darling, F. Taylor  
 Dubrec, G. W.  
 Dare, William H.  
 Dobler, George  
 Diggs, James  
 Denison, A. W.  
 Dushane, J. W.  
 Duvall, W. B.  
 Dryden, Joshua  
 Dutton, John,  
 Dixon, James M.  
 Debeet, Duncan H.  
 Decorse, William  
 Daniels, D. B.  
 Day, Wm. S.  
 Davidson, William  
 Dant, Charles H.  
 Danskin, W. A.  
 Drummond, Levin  
 Day, Alford G.  
 Darlington, Howard  
 Dunbar, Dr. J. R. W.

Daffin, R. S.  
 Dungan, A. S.  
 Darling, James T.  
 Dashiell, E. D.  
 Davis, W. F.  
 Dugan, Cumberland  
 Dixon, Robert  
 Dureus, Mark  
 Deitz, J. B.  
 Deal, George J.  
 Dix, J. F.  
 Dushane, N. T.  
 Dawes, J. S.  
 Daugherty, J. J.  
 Devries, William  
 Donaldson, John J.  
 Doged, Martin  
 Downs, John  
 Denmead, Talhott  
 Davenport, J. B.  
 Day, Jacob  
 Dowling, Edward  
 Denson, Isaac M.  
 Davis, John R.  
 Dixon, Thomas  
 Dawson, Philip T.  
 Daniels, Walter  
 Dunlap, Charles  
 Duncan, Alexander  
 Diffenderffer, Henry  
 Daiger, Mathias A.  
 Done, John H.  
 Dorsey, Wm. H. G.  
 Dellahay, Edward H.  
 Dunham, T. C.  
 Duke, A. W.  
 Duncan, J. L.  
 Dorsett, J. H.  
 Davies, Jacob G.  
 Dentz, A. C.  
 Daugherty, Hugh

### Junior Members.

Dixon, Jas. Alexander  
 Drury, John T.  
 Davis, Jas. E.  
 Deets, Frederick  
 Daugherty, J. T.  
 Didier, John D.  
 Dumbolton, Geo.  
 Deale, John Thos.  
 Duncan, Ninian S.  
 Duncan, Adam  
 Dutrow, E. D.  
 Davis, Richard L.  
 Dodson, John

Didier, Eugene L.  
 Davis, Wm. H. of M.  
 Duvall, Jas. H.  
 Davis, W. H. of J. F.  
 Donnelly, F. A.  
 Denson, Wm.  
 Dailam, Chas. F.  
 Dickenson, John, Jr.  
 Diggs, Samuel Joseph  
 Diggs, Richard H.  
 Dunnett, Wm  
 Dungan, Wm. W.  
 Daugherty, Hugh  
 Doyle, Thos. G.  
 Dale, Samuel, Jr.  
 Devalin, Chas. E.  
 Davis, Geo. M.  
 Dumont, Alphonso  
 Dungan, Henry G.  
 Dobson, Wm. H.  
 Dutrow, Curtis F.  
 Dillehunt, J. T.  
 Dorry, John C.  
 Dobson, Jas. T.  
 Duvall, Wm. Henry  
 Debow, Nicholas  
 Dohning, Edward  
 Daffin, Francis  
 Davenport, Thos. T.  
 Delcher, Jas. A.  
 Diggs, Edward G.  
 Dexter, Chas.  
 Dryden, Wm. H.  
 Davis, Edward R.  
 Daughaday, John  
 Durand, Thos. W.  
 Dashiells, J. B.  
 Dutton, John R.  
 Diggs, Beverly  
 Day, Samuel G.  
 Dittman, Chas. W.  
 Delaney, Wm.  
 Duvall, John H. Jr.  
 Dungan, H. S.  
 Diffenderffer, Geo. M.  
 Dunan, Theodore  
 Dittman, Edward F.  
 DeRanceray, Lewis  
 Davidson, T. H.  
 Dalton, J. Mathew.  
 Davis, L. B.  
 Dallam, Thos. M.  
 Danskin, W. A. Jr.  
 Deal, Wm. C.  
 Dewling, Asbury  
 Decker, John W.  
 Dennison, Henry C.  
 Daiger, Charles H.  
 Duncan, G.

Dewling, Isaiah  
 Dunn, Charles  
 Dunn, James  
 Dawson, John  
 Donohue, L.  
 Dunn, Joseph  
 Dowling, James L.  
 Dougherty, William  
 Denmead, B. F.  
 Dunlap, Chas. L.  
 Duvall, Edward  
 Delano, Philip  
 Dowling, Michael  
 Dodson, William  
 Daiger, Wm. H.  
 Dashiell, Wm. O.  
 Denmead, Edward  
 Dukehart, Wm. B.  
 Dillon, L. C.  
 Doize, Lucian  
 Daiger, Edward  
 Dell, John E.  
 Daws, Henry  
 Dohme, Lewis

### E

### Senior Members.

Ellicott, Wm. M.  
 Eldrige, Robert  
 Eareckson, Thos. B.  
 Eames, Nathaniel  
 Emerick, William H.  
 Elliott, H. A.  
 Emory, Charles M.  
 Eastman, J. S.  
 Eareckson, Chs. C.  
 Emory, Samuel  
 Evans, John H.  
 Ebaugh, Henry  
 Ely, John N.  
 Edmonson, J.  
 Eareckson, V. O.  
 Evitt, Robert  
 Emory, D. C. H.  
 Emory, A.  
 Ellis, Thomas  
 Emory, John B.  
 Ebaugh, David  
 Eichelberger, E. M.  
 Emich, David  
 Ehrman, George M.  
 Ellicott, Evan T.  
 Eisenbrant, C. H.  
 Ellicott, Benjamin H.  
 Evans, George  
 Etchburger, John F.

Essender, Dr. James  
Emory, Wm. H.  
Edmundson, Dr. Thos.  
Egerton, Chas. C.  
Ellis, W. H.

### Junior Members.

Evans, Richard B.  
Etchberger, Jas. S.  
Emich, Columbus V.  
Eliason, John A.  
Evatt, William J.  
Eimer, William  
Elliott, William  
Elliott, Edward  
Eastman, Lewis M.  
Eastman, H. William  
Evans, Charles W.  
Ely, John B.  
Emmart, P. T.  
Emory, John K. B.  
Elliott, Wm. H.  
Eareckson, J. R.  
Eichelberger, S. E.  
Eborall, Friedrich  
Ely, J. Benj.  
Edmunds, W. E.  
Eareckson, Chas. F.  
Evatt, Francis B.  
Elmore, Chas. A. Jr.,  
Elliott, John T.  
Ebbert, O. A.  
Egerton, Wm. A.  
Ehlen, George W.  
Edgar, John  
Emmart, W. W.  
Enright, Francis  
Easter, G. W.  
Early, John D.  
Erwin, John M.  
Evans, Evan  
Everhart, Wm. H.  
Essert, George  
Emmart, John M.  
Ely, S. S.

### F

### Senior Members.

Fairbank, W. J.  
Forsyth, David J.  
Fowler, Francis  
Fusselbaugh, John S.  
Field, A. W.  
Fenhagen, James C.  
Farringer, Chrls  
Ferguson, John H.  
Fowler, John W.

Frick, E. A.  
Flaherty, Wm.  
Furlong, William G.  
Fowler, J. E.  
Fowble, Abraham  
Farber, Henry J.  
Fairbank, Charles  
Forster, D. K.  
Friend, Alfred  
Floyd, William  
Fahnestock, G. W.  
Fonder, Richard  
Fahnestock, Edward  
Forster, William  
Friend, John  
Forrest, Alexander  
Focke, Edward L.  
Fonerdon, Dr. J.  
Filbert, J. A.  
Fulton, L.  
Fitzpatrick, J. G.  
Forman, Henry  
Fales, George E.  
Farquarharson, F. L.  
Fales, N. D.  
Furlong, John  
Fulton, James  
Flack, G. W.  
Floss, William  
Ferandini, C.  
Fox, H. E.  
French, Andrew  
Frank, Austin  
Fardy, John T.  
France, Col. Richard  
Foy, James  
Falls, R. W.  
Ferguson, William  
Fraley, Lecnard  
Foreman, Valentine  
Farringer, Francis  
Fitzgerald, Henry  
Forbes, James S.  
Ford, R. K.  
Funk, J. W.

### Junior Members.

Forrester, James F.  
Forrester, Robert  
Forrest, Theophilus  
Forrester, Benj. F.  
Forrest, John  
Frist, William  
Fairbank, Thomas J.  
Flack, J. S. O.  
Flack, Thomas J.  
Fisher, Thomas N.  
France, Ambrose M.

Fay, George  
Folk, Robert  
Fuller, J. W.  
Fisher, Reuben  
Fuller, Joseph H.  
Foster, James W.  
Freeman, John  
Fitzpatrick, Andrew  
Frederick, Geo. W.  
Fisher, John A.  
Frost, Charles M.  
Freeland, Edwd. H.  
Fledderman, H. G.  
Folks, George  
Flinn, Danl. F.  
Frush, C. W.  
Fay, Charles  
Fuller, C. F.  
Frazier, Anthony  
Frazier, David R.  
Farnum, G. W.  
Ferrell, Joshua  
Forman, Jesse C.  
Foy, R. H.  
Forsyth, Alexander  
Foster, John C.  
Forsyth, Edwd. S.  
Ferguson, David  
Ferguson, Hugh  
Frank, William G.  
Franklin, S. L.  
Frederick, William  
Fuller, James  
Forney, M. M.  
Ford, John D.  
Fowler, J. J.  
Fishack, John  
Fulton, T. H.  
Fulton, Charles  
Fisher, Chas. H.  
Flaugherty, Morgan  
Farsen, G. W.  
Freeland, George T.  
Fieldhorse, Chas.  
Fisher, James H.  
Fleckeltine, E. Julius  
Fulton, Albert K.  
Fluharty, Wm. R.  
Fisher, Frederick  
Foy, James H.  
Ferguson, Joseph  
Francis, Wm.  
Floyd, J. F.  
Frames, George A.

### G

### Senior Members.

Gosnell, L. G.

Gaddess, Thomas A.  
 Griffin, Robert  
 Gault, Mathew  
 Giles, Hon. Wm. Fell  
 Grogan, Michael  
 Griffith, Wm. A.  
 Grafflin, Joseph  
 Green, Thos. M.  
 Green, Geo. W.  
 Griffith, B. L.  
 Goodman, Thos. S.  
 Gibbons, Wm. H.  
 Grover, Chas. G.  
 Graham, John of D.  
 Gambrill, H. N.  
 Gardner, Alfred S.  
 Green, Joseph D.  
 Griffith, Wm.  
 Gilpin, Edwd. C.  
 Goodrich, Henry  
 Gootee, Geo. S.  
 Gorsuch, Jehu  
 Grove, Francis  
 Greenfield, A. H.  
 Gibson, R. F.  
 Gale, Thomas M.  
 Grinnell, C. A.  
 Getty, Robert  
 Glenn, S.  
 Gibson, James  
 Gates, Ezra  
 Griffin, Elias T.  
 George, James  
 Gault, Cyrus  
 Gittings, James  
 Guest, Saml.  
 Guy, Moses  
 Gallibart, Joseph R.  
 Gott, J. C.  
 Gorsuch, Wm. G.  
 Gunther, Conrad  
 Griffith, G. S.  
 Green, Amon  
 Gregory, Joseph  
 Gromley, John  
 Gebhart, John  
 Glanville, W. A.  
 Gray, R. W.  
 Graham, John  
 Gilbert, L. Y.  
 Grape, Jacob  
 Gardner, James  
 Grugan, John  
 Groverman, A.  
 Graham, H. H.  
 Gould, James A.  
 Gogel, C. C.  
 Graham, Wm.

Gunnison, Wm.  
 Graham, Andrew  
 Getty, D. Augustus  
 Gover, Gerard  
 Glocker, Theodore  
 Gelbach, Geo. Jr.,  
 Green, H. H.  
 Gatch, Conduce  
 Gaskins, Saml. S.  
 George, John B.  
 Grafton, McHenry  
 Godey, Thos.  
 Gibbs, James W.  
 Giese, J. Henry  
 Gill, Geo. M.  
 Golder, Jas. C.  
 Gill, Jabez  
 Gable, John  
 Grice, Edwd. L.  
 Gill, Noah  
 Gilpin, Thos. H.  
 Getty, James  
 Gosnell, Philip H.  
 Griffiss, T. J.  
 Gillingham, Geo. H.  
 Griffin, Thos. L.  
 Glanville, J. W.  
 Green, Chas. B.  
 Gore, John W.  
 Glien, Anthony  
 Guest, J. Wesley  
 Gibson, George  
 Grafflin, J. C.  
 Gehrman, James  
 Grafton, H.  
 Gray, Thomas

### Junior Members.

Galloway, Wm.  
 Gordon, Chas. M.  
 Gilman, John  
 Goldstone, Jacob  
 Gordon, Thos. G.  
 Griest, George  
 Guy, Robt. J.  
 Gill, Richd. C.  
 Griffith, Wm. F.  
 Gallagher, Alex.  
 Gillingham, E. N.  
 Garvey, Wm. P.  
 Gill, Chas. M.  
 Gill, Saml. H.  
 Girvin, Henry S.  
 Girvin, Wm. G.  
 Gaehle, Henry  
 Gosnell, Philip H.  
 Greeves, David F.

Gaehle, Lewis  
 Griffith, G. S. Jr.  
 Gerding, Lewis  
 George, John M.  
 Gordon, W. Edwin  
 Guyton, B. Franklin  
 Green, Geo. T.  
 Gawthrop, Jas. T.  
 Gosnell, Oliver T.  
 Green, David N.  
 Gwyn, Chas. L.  
 Gatley, John  
 Gesford, John  
 Graham, W. J.  
 Graham, E. C.  
 Griggs, John J.  
 Galloway, Wm. A.  
 Gaddess, Chas. W.  
 Gwyn, J. T.  
 Gray, E. Jr.  
 Graham, J. T.  
 Guenste, Frederick  
 Gatch, Chas. H.  
 George, Thos. J.  
 Gale, Joseph  
 Gibson, G. Eugene  
 Gover, Saml. H.  
 Greenwood, W. D.  
 Gettier, Edwd. P.  
 Gardner, George  
 Galloway, Jesse  
 Guyton, Chas. T.  
 Grier, John A.  
 Guyton, Wm. L.  
 Gischel, Conrad H.  
 Gorsuch, Wm. S.  
 Greenfelder, Moses Jr.  
 Graham, J. R. H.  
 Gardner, Wm. G.  
 Gilcrist, Alexander  
 Gemeny, Benj.  
 Greer, Alexander  
 Gifford, Wm.  
 Gengnagel, Jacob  
 Granger, Geo. R.  
 Gieger, Charles  
 Gary, James A.  
 Gracy, Benj. M.  
 Gaston, Henry  
 Gassaway, H. P.  
 Goodwin, T. E.  
 Gunnison, Wm. H.  
 Gray, William  
 Gray, Harry C.  
 Gallup, Thomas  
 Gallup, John  
 Gross, J. J.  
 Gambrill, John W.

Griffin, H. C.  
 Grubb, Samuel  
 Grann, George  
 Garrett, James H.  
 Griffin, Robt. B. Jr.  
 Gault, Albert  
 Green, Wm. H.  
 Grant, James B.  
 Gorsuch, Theodore  
 Gaynor, John  
 Gordon, Saml. B.  
 Gaddess, V.  
 Goodman, John

## H

### Senior Members.

Hill, Wm. B.  
 Holloway, Edward  
 Hunt, G. H.  
 Harris, J. Morrison  
 Harrison, Wm. G.  
 Hooper, Augustus D.  
 Hall, J. H. Jr.  
 Harrison, Wm. N.  
 Hollins, C. D.  
 Holtzman, John D.  
 Hildebrandt, Chas. H.  
 Houlton, Thos. T.  
 Hiss, C. D.  
 Haswell, John  
 Hyam, Abram  
 Hughes, J. T.  
 Hammontree, H. C.  
 Haslup, Levi S.  
 Hogg, Wm.  
 Holland, Jackson  
 Hank, J. B. P.  
 House, Samuel A.  
 Hull, Wm.  
 Hiser, H. W.  
 Hopper, T. Wright  
 Herzog, John  
 Hughes, J. T.  
 Hindes, Moses G.  
 Hudkinson, John M.  
 Hollins, J. Smith  
 Hess, Dr. Frederick  
 Hays, Robert  
 Hutzler, Moses  
 Hayward, Ely B.  
 Hoen, E.  
 Holloway, Chas. T.  
 Hurtt, Hy. N.  
 Hinkley, Willard H.  
 Hann, Jas. H.  
 Hooper, Robert  
 Haine, B. F.

Henderson, Jas.  
 Harvey, John H.  
 Hay, Jas.  
 Hansall, Philip  
 Hardesty, John E.  
 Hatch, Jas. G.  
 Harrison, B. H.  
 Hopkins, C. J. R.  
 Hunt, John W.  
 Hahn, Chas.  
 Hart, Samuel  
 Henly, David  
 Hayden, Geo. K.  
 Hart, Wm. W.  
 Heiner, Revd. Dr. E.  
 Hooper, Chas. H.  
 Holmes, R. S.  
 Horn, Matthew  
 Harris, Wm.  
 Hunter, S. Hillen  
 Hulls, John  
 Hickman, Gen. N.  
 Hall, Geo. H. M.  
 Hibbard, Israel  
 Hogg, Jas. H.  
 Holloway, John M.  
 Holland, Geo. W.  
 Hartman, Isaac P.  
 Hollins, Robert S.  
 Henderson, Richard  
 Hopkins, Wm.  
 Harrison, Z. G.  
 Harrison, Robert G.  
 Hauser, Jacob R.  
 Hook, R. W.  
 Hamill, Jas. H.  
 Haslup, Rezin  
 Herring, D. Jr.  
 Hoss, John F.  
 Hays, Edward F.  
 Hooper, Jas.  
 Humerickhouse, C. W.  
 Harrison, N. S.  
 Holthause, F. T.  
 Hays, Samuel J.  
 Hambleton, Thos. B.  
 Hunt, Jesse  
 Hindes, Samuel  
 Hosie, Robert  
 Hale, Joseph A.  
 Hetzell, John G.  
 Hoke, Henry  
 Hambleton, T. E.  
 Harrison, Jas. C.  
 Hazlehurst, H. R.  
 Holland, John C.  
 Hindman, Wm.  
 Hawley, R. K.

Herzog, Valentine  
 Howard, Wm.  
 Heuisler, John F.  
 Henniberger, Wm.  
 Hawley, Martin  
 Holden, Thos. T. Jr.  
 Hennel, Philip  
 Harlan, Lewis G.  
 Henderson, Jas. H.  
 Hopkins, John L.  
 Hodgkinson, John M.  
 Harris, Jas. H.  
 Hill, Dr. Joseph H.  
 Hergberg, Philip  
 Hall, Richard  
 Hartshorne, Joshua  
 Hull, Robert  
 Hinsley, John  
 Helm, John F.  
 Hooper, J. P.  
 Hendrickson, S. W.  
 Heuisler, Geo. A.

### Junior Members.

Hoopes, Wm. P.  
 Herrlich, Wm.  
 Hackesley, Geo. W.  
 Hoover, Francis W.  
 Henderson, John  
 Higby, Theodore  
 Huster, W. W.  
 Hill, Thos.  
 Hoopman, Chritian A.  
 Husband, Jacob L.  
 Hooper, Wm. J.  
 Hayden, Horace E.  
 Hoffman, John M.  
 Hershey, David B.  
 Husband, Albert  
 Hogg, Jas. D.  
 Hindes, Joseph F.  
 Hulls, Robert F.  
 Herold, Chas. F.  
 Hanna, Jas.  
 Hoffman, Lewis  
 Hurst, J. E.  
 Harrison, Chas. S.  
 Holtzman, E. K.  
 High, John W.  
 Hanna, Alexander B.  
 Haurande, Ber. Jr.  
 Haurande, Wm.  
 Hill, Geo.  
 Helsby, Thos. H.  
 Hedian, Thos.  
 Hopkins, Joseph

Henrix, Chas.  
 Henrix, Edward  
 Hurley, Timothy  
 Hayden, M. M.  
 Haslup, G. H.  
 Hutzler, Abram  
 Hess, John  
 Hepperla, Henry  
 Hipsley, Joshua E.  
 Hollingshead, Geo.  
 Harrison, Jas.  
 Hogg, Egenton  
 Houston, Daniel B.  
 Horn, Philip  
 Hale, Geo. E. F.  
 Holtzman, Henry C.  
 Harman, Martin  
 Holloway, Edwin E.  
 Hoopes, Wm. H.  
 Hess, Chas. B.  
 Heilbrun, Joseph M.  
 Hugg, John H.  
 Hall, Wm. H.  
 Handley, Wm. H.  
 Hooper, Theodore  
 Hobbs, Thos.  
 Hook, Edwin  
 Holloway, Geo. N.  
 High, W. G.  
 Hillard, Otis K.  
 Harback, Stephen  
 Hooper, Jas. E.  
 Heverin, Jas. N.  
 Hughes, Thos. S.  
 Hatcheson, Jas.  
 Hagger, Chas.  
 Hampson, Jas. S.  
 Hale, Wesley  
 Hiss, Wm. J.  
 Hecht, Bernard  
 Hess, Emery  
 Harris, H. Going  
 Hollins, Thos.  
 Harwood, E. O.  
 Hawser, G. S.  
 Hollingsworth, Geo.  
 Hart, Chas. T.  
 Hollins, John  
 Houlton, Samuel C.  
 Hull, J. J.  
 Huntmuller, H. W.  
 Hedderman, Henry  
 Hoffman, Chas.  
 Harrison, John W.  
 Holton, Wm.  
 Hooper, Robert, Jr.  
 Hasson, John M.  
 Hopkins, Wm. L.

Hoffman, Wm. H.  
 Hay, John C.  
 Hendrickson, Geo. O.  
 Harrison, Thos.  
 Hopkins, Samuel  
 Happerla, Wm.  
 Hunt, M.  
 Hardesty, Thos. H.  
 Hays, Jas. H.  
 Holmes, A. S.  
 Holmes, John  
 Harrington, J. P.  
 Hopkins, Samuel B.  
 Henderson, John, Jr.  
 Hamman, Michael  
 Heagy, John  
 Holbrook, Martin  
 Healy, Jas.  
 Hildebrand, Henry K.  
 Holland, O. P.  
 Hutchings, Jas. A.  
 Hyde, Jas. J. M.  
 Harrison, Wm.  
 Haughton, Thos. B.  
 Hollingsworth, Rd.  
 Heiner, J. Z.  
 Hull, Henry  
 Hale, David D.  
 Harding, Luther O.  
 Hughes, Samuel  
 Henderson, Samuel  
 Harney, Henry  
 Habberset, J. B.  
 Herring, Joseph E.  
 Hiskey, J.  
 Hancock, Francis M.  
 Hysan, Wm.  
 Hooper, Chas. V.  
 Hindes, Jas.  
 Hardesty, Wm. E.  
 Harrison, Wm. H.  
 Hampton, Wm. D.  
 Hall, Thos.  
 Hartman, Geo. F.  
 Hamilton, Francis  
 Harman, John A.  
 House, John A.  
 Hart, Manly M.  
 Hannah, Hugh Bell  
 Hall, Fenwick  
 Hampton, John A.  
 Hughes, Chas.  
 Hall, T. W. Jr.  
 Harrington, D. B.  
 Horner, John  
 Herzog, Maxmillian.  
 Hamilton, Geo.  
 Hurst, Wm. R.

Holland, Wm.  
 Hichew, John D.  
 Hall, Richard H. Jr.  
 Hanlin, Patrick  
 Holland, Robert  
 Hindes, Samuel, Jr.  
 Hamer, Daniel W.  
 Hurst, John T.  
 Howard, Wm. G.  
 Hooper, Wm.  
 Hall, W. E.  
 Huppmann, J. J.  
 Hanks, Wm. H.  
 Harris, C.

### J Senior Members.

Jackson, W. R.  
 Jenkins, J. S.  
 Irving, Thos. J.  
 Johnson, J. W.  
 Ijams, John  
 Jackson, James  
 Jones, Atriah  
 Israel, Edward  
 Ijams, John P.  
 Johnston, Wm.  
 Jerome, John H. T.  
 Johnson, Philip Jr.  
 Jones, Hugh B.  
 Jack, Charles E.  
 Jones, Thomas  
 Jones, John  
 Ives, Wm. M.  
 Jillard, Wm H.  
 Johnson, Wm. R.  
 Jones, Robt. H.  
 Jeffreys, Thos. R.  
 Jenkins, H. Jr.  
 Jordon, J. B.  
 Ijams, G. P.  
 Jaiger, Wm. G. W.  
 Jones, J. C.  
 Jarvis, R. B.  
 Jackson, James M.  
 Jacobs, James P.  
 Johnson, James  
 Jenkins, Henry W.  
 Jones, Isaac S.  
 Johnson, Wm. M.  
 Jarrett, L.  
 James, Thomas  
 Jackson, Jas. R.  
 Jarboe, Rev. J. R.  
 Jansley, Thos.  
 Jacobs, James M.  
 Ing, John H.

Jenkins, Jas. W.  
 Johnson, Wm. Jr.  
 Irons, Emanuel  
 Irvin, John A.  
 Jarrett, Henry C.  
 Jennings, John W.  
 Ing, Charles  
 Johnson, G. W.  
 Jones, D. H.  
 Jenkins, John W.

### Junior Members.

Jones, C. C.  
 Joyes, Edward C.  
 Judefind, John W.  
 Jones, Lewis R.  
 Johnson, Wm.  
 Jones, Wm.  
 Johnson, Charles  
 Jenkins, A. P.  
 Jean, William  
 Jones, C. R.  
 Jennings, Saml. T.  
 Jones, O. B.  
 Johnson, Wm. of E.  
 Johnson, Geo. W.  
 Johnson, Grafton  
 Ives, John A.  
 Johnson, Joseph  
 Irons, William  
 James, William  
 James, Levi Jr.  
 Jones, S.  
 Ingraham, J. S.  
 Jordon, Wm. H.  
 Irvine, A. M.  
 Jones, F. W.  
 Jones, Albert  
 Jamison, John  
 Isaacs, C.  
 Jordon, John R.  
 Janney, W. W.  
 Jones, Charles  
 James, John A. R.  
 Janney, Saml. A.  
 Jackson, James F.  
 Jones, James E.  
 Jung, Wm. L.  
 Johnston, Oscar D.

### K

### Senior Members.

Kelly, Joseph D.  
 Knox, John D.  
 Kerr, Wm.  
 Kessler, John S.  
 Keys, Benj. C.  
 Kimberly, Wm. H.

Killen, Wm. H.  
 Kilmer, Henry J.  
 Kelso, Thomas  
 Kelso, John Thos.  
 Keighler, Wm. H.  
 Klunk, Francis A.  
 King, F. W.  
 Kennedy, John  
 Krebs, Henry W.  
 Krebs, John W.  
 Kramm, Ephraim  
 Kilburn, Uri  
 Kerr, Robert  
 Kennard, Battis H.  
 Kemp, Dr. Wm. M.  
 Kennard, W. H.  
 Kinnaird, Alexander  
 Kemp, Joseph F.  
 Kellinger, W. J.  
 Kuhn, W. J.  
 King, Joseph Jr.  
 Knotts, J. Hanson  
 Kuhn, John J.  
 Keener, Dr. Wm. H.  
 Kroeson, Isaiah  
 Kennedy, Wm. W.  
 Kridler, Jacob F.  
 Kennard, G. J.  
 Krebs, Wm.  
 Kernan, Edward  
 Keirle, Henry  
 Klinefelter, Jesse  
 Klinefelter, O. D.  
 Knighton, Thos.  
 Keener, Chas. H.  
 King, Glendy  
 Kane, Geo. P.  
 Kalbfus, Daniel  
 Kries, G. W.  
 Klare, John B.  
 Kirker, John  
 Kahlert, Henry  
 King, C. B.  
 Krebs, James W.  
 King, C. P.  
 Kellenberger, Jas.  
 Kimberly, J. M.  
 Kuhn, Robert M.

### Junior Members.

Kugler, Thos. H.  
 Kimberly, Henry E.  
 Kelly, Washington  
 Knowles, Geo. G. Jr.  
 Kiersted, A. J.  
 Kretzer, C. L.  
 Kaine, Thomas  
 Kreis, Henry

Krus, Henry  
 Kennedy, John H.  
 Kochlings, Chas. W.  
 Koffenberger, Henry  
 Keen, Wm. R.  
 Kremer, John T.  
 Knotts, John W.  
 Knipp, Jacob, Jr.  
 Knipp, Christian  
 Knipe, Benj. F.  
 Kennedy, Isaac  
 Kidd, James R.  
 Kirk, Saml. E.  
 Kirby, George C.  
 Klinefelter, Van Vert  
 Klinefelter, Gartman  
 Kemp, Edward L.  
 Knighton, Wm. T.  
 King, Wallace  
 Knickman, Henry  
 Keene, John H. Jr.  
 Kemp, S. J.  
 Keighler, J. C.  
 Keighler, Saml. A.  
 Keighler, W. H. Jr.  
 King, Chas. T.  
 Kirk, Robt. E.  
 Keenan, Jas. E.  
 Kerner, John H.  
 King, Andrew J.  
 Kerr, Robt. J.  
 Kiersted, Geo.  
 King, Thos. H.  
 King, T. F.  
 Kirkland O.  
 Krems, Joseph F.  
 Kaylor, Thomas  
 Kaylor, C. L.  
 Knight, Hewitt  
 Kellum, Chas. L.  
 Kemper, Wm.  
 Kimberly, J. M.  
 Knabe, Ernest  
 Krebs, George  
 Krebs, Henry  
 Kemp, Wm. H.  
 Knight, John C.  
 Kirk, Wm.  
 Kirk, Charles  
 Kirk, Edward C.  
 Kemp, Richard Jr.  
 Koppelman, John G.  
 Kline, Francis M.  
 Keen, Edward S.  
 Kenley, Wm. L.  
 Knell, Henry  
 Kraft, Chas. O.  
 Kuhne, Augustus

Killen, Mathew  
Kraft, Fredk. A.  
Keene, Benj. R.  
Kubach, Chas. D.

### **L** **Senior Members.**

Leslie, Capt. Robert  
Leonard, Amasa  
Lester, Samuel T.  
Lefavre, Wm. H.  
Lamb, F. F.  
Longbottom, Abram  
Lawson, Jas. of S.  
Levering, A. J.  
Lambdin, Thos. J.  
Leeke, Wm. H.  
Loney, Robert W.  
Larrabee, H. C.  
Larrabee, Edwd. W.  
Laws, J. Thompson  
Lee, John W.  
Long, Richard D.  
Lansdale, J. W. F.  
Lehmann, Robert  
Lansdale, R. V.  
Lapouraille, A. P.  
Littig, Philip  
Lovejoy, Samuel  
Lucas, Chas. Z.  
Levering, Thos. L.  
Loane, J. W.  
Loane, Joseph G.  
Lawndes, James  
Lusby, E. R.  
Leakin, Andrew  
Lantz, Oliver F.  
Lockie, John  
Linthicum, W. O.  
Lambden, Wm. W.  
Lehmayer, S.  
Larmour, Wm. B.  
Lee, Wm. M.  
Lefflar, Geo. H. R.  
Lee, Jas. F.  
Lamb, Thos. P.  
Linch, John S.  
Lohse, Wm. H.  
Lohse, Chas. A.  
Lycett, Geo.  
Lamping, Wm.  
Lucas, Jas.  
Lambert, Edward  
Leffler, D. S.  
Lester, Thos.  
Lambdin, Edwd. S.  
Lewis, Stephen  
Lewis, Martin

Lyon, John H.  
Lyon, C. H.  
Lawton, John L.  
Lloyd, B. Rush  
Latrobe, Benjamin H.  
Laidlow, John  
Lucas, Fielding, Jr.  
Lovegrove, Jas.  
Logan, Jas. H.  
Laning Wm. M.  
Lynch, John S.  
Lawson, Jas. of R.  
Lowndes, Jas.  
Lambdin, John  
Leonard, Wm.  
Lucas, Wm.  
Lamb, Geo. M.  
Lentz, C. W.  
Lannay, Lewis F.  
Lansdale, Francis A.

### **Junior Members.**

Lovering, Francis J.  
Lare, Geo. H.  
Lare, D. W.  
Lidiard, Bernard H.  
Lester, David H.  
Littig, John M.  
Linderman, Chas. W.  
Linderman, Conrad  
Lepper, Chas.  
Lawson, Stephen A.  
Leef, John G.  
Lynch, Joseph Wm.  
Lafaivre, F.  
Lingenfelder, Louis  
Lewis, Joseph N. Jr.  
Lester, Joseph W.  
Lackey, Wm.  
Lewis, P. S.  
Leetch, John  
Larrabee, E. W. Jr.  
Larrabee, E. M.  
Larrabee, Geo. G.  
Lambden, Joseph  
Loane, Edwin D.  
Lutts, Chas. G.  
Lefevre, J. W.  
Littig, N. B.  
Longley, Samuel T.  
Long, Thos. W.  
Larrabee, W. F.  
Larrabee, E. F.  
Lowndes, J. A.  
Lowndes, C. G.  
Letournau, F. W. W.  
Lamb, Jas  
Lawson, John T.

Larkin, A. J. B.  
Littig, A. W.  
Lee, R. C.  
Lyons, Wm.  
Lybrand, Geo. H.  
Lilly, Andrew  
Lilly, Wm  
Lloyd, Wm. H.  
Lovejoy, Henry  
Lee, Jesse W. Jr.  
League, T. J.  
Lewis, M. H.  
Linniweaver, Geo W.  
Leef, Wm.  
Lampley, N. Lewis  
Luckett, C. W.  
Lovejoy, Wm. H.  
Lemmon, Wm.  
Long, John  
Love, Wm. E.  
Lindsey, Benjamin  
Long, E. P.  
Levering, P. R.  
Lewis, Wm. M.  
Lambdin, Wm. M.  
Litzinger, Thomas  
Levering, Thos. H.  
Lloyd, Thos. M.  
Lowry, Henry P.  
List, Jacob  
Lemmon, Wm. S.  
Lee, John H.  
Lipscomb, John D.

### **M** **Senior Members.**

McCeney, J. C.  
McCausland, W. J.  
Miller, Wm. H.  
Magill, P. H.  
May, Edward  
McNeal, George  
Montgomery, Jas.  
McComas, N. A.  
Maxwell, John  
Mann, Ernest  
Montgomery, Wm. S.  
Moore, J. Faris  
Magraw, Thos. E.  
Morrison, Jas.  
McAllister, Jas. H.  
Moore, Edward  
McCartney, Daniel  
Mackenzie, Geo. W.  
Mann, Wm.  
Mitchell, Edward  
Muller, Dr. J. R.  
McNabb, Jas.

Mathoson, John  
 McCymont, Wm. Jr.  
 McCymont, Wm.  
 Moon, Edward H.  
 McCulloh, Wm. J.  
 McComas, Jas. M.  
 Massie, Dr. Wm. R.  
 Morse, Thos. W.  
 Miller, Enoch  
 Matthews, T. R. Jr.  
 Muller, Philip H.  
 Markland, Wm. W.  
 Merritt, Jacob  
 McCaffry, T.  
 Morgan, E. J.  
 McShane, Henry  
 McAllister, Richard  
 McWilliams, D. J.  
 Mace, C. V.  
 MacPherson, Samuel  
 McIlvain, Wm.  
 Miles, Richard D.  
 Millis, Laertis O.  
 Malloy, John  
 May, Wm. H.  
 Martin, David  
 Miller, Lewis  
 Matthews, Joseph  
 Manahan, J. F.  
 Moore, Daniel M.  
 Miller, A. H.  
 Milborn, R. N.  
 Mohler, Edward  
 Martin, D. A.  
 Marshall, Thos. B.  
 McCann, Edward  
 Maygers, Rd. R.  
 Muller, Jas. N.  
 Marley, Richard  
 Millholland, R. D.  
 Macomber, Gideon  
 Mathews Samuel H.  
 Morgan, Dr. G. E.  
 McNeal, Lloyd  
 Marston Joseph R.  
 Marston, S. W.  
 Miller, John F.  
 Martin, Samuel  
 Matthew, E. L.  
 Miller, Wm. J.  
 Murray, Jas.  
 Murray, Wm. J.  
 Mahaney, John  
 Moore, Wm. W.  
 Mullen, Wm. H.  
 Marden, Jesse  
 Magill, R. G.  
 McCandless, Geo. S.

MacNeal, A. L.  
 McClernon, John  
 Montague, D. P.  
 Miller, Wm. H. of W.  
 Murray, Jas.  
 Morris, Chas. T.  
 Markland, Wm. T.  
 Mylander, Henry  
 McMachen, John  
 McEldery, Hugh  
 Mason, Wm. Jr.  
 Maslin, Thos. J.  
 Myers, John W.  
 McCay, Jas. G.  
 Miller, John H.  
 McCourt, Arthur  
 Mathiot, A.  
 McMullen, John  
 Morrison, H.  
 Mills, Samuel S.  
 Merrill, J. H.  
 Merriman, Dr. G.  
 McKim, John S.  
 McHenry, Wm.  
 Murdoch, Chas.  
 Matthews, A. C.  
 Murdoch, Richard  
 McLean, Arthur J.  
 Moody, John B.  
 McKim, Haslett  
 Miller, Wm.  
 Morris, J. T.  
 McClellan, J. S.  
 Maffei, Angelo  
 Medcalf, Chas.  
 Morton, Washington  
 Macall, Dr.  
 Moran, Dr. John J.  
 Marshall, Henry  
 Mercer, Chas. H.  
 Mankin, Henry  
 Muller, Louis  
 McDonald, Alexander  
 Mince, David  
 Martin, W. E.  
 Matthews, John  
 McCullough, J. H.  
 McLearn, Philip  
 Martin, John W.  
 McCreary, Wm. B.  
 Matthews, R. S.  
 Merritt, Geo. A.  
 Martin, T. H.  
 McKim, Wm.  
 Mathiot, Augustus B.  
 Metz, Richard A.  
 McKew, E. J.  
 Martin, T. H.

Merchant, Joseph A.  
 Maughlin, Wm. W.  
 Martin, John  
 Musser, Wm. R.  
 Mitchell, E. T.  
 Martin, John J.  
 Mathers, Jas.  
 McDonald, C. S.  
 Martin, Thos. H.  
 McClellan, Wm. W.  
 McPhail, William  
 McMillen, Geo. G.  
 Montgomery, Samuel  
 Millholland, John G.  
 Milnor, John P. Jr.  
 Moke, George W.  
 McHenry, James  
 Milliken, James  
 Mankin, Rinaldo T.  
 Matthews, Thomas J.  
 Moore, John H.  
 Munroe, D. S.  
 Meacham, Randall

#### Junior Members.

McCaddin, Andrew  
 McLaughlin, Charles  
 Myers, A. M.  
 McAllister, James  
 McCahan, Davis  
 Murphy, Wm. S.  
 McCaddin, J. F.  
 Merritt, George W.  
 Morrow, John H.  
 Moir, James  
 Miller, Jacob Henry  
 Moulton, J. Duhamel  
 McJilton, W. D.  
 McCornica, James D.  
 Moore, George W.  
 Manro, Wm. E.  
 Manro, Rd. W.  
 Morrison, H. W. F.  
 Moore, R. T.  
 McFee, Wm.  
 Marriott, Geo. H. M.  
 Michael, Jas. H.  
 Meakin, Nathaniel  
 Morrow, Robert G.  
 May, E. Ferdinand  
 Mettee, Leonard  
 McBride, D. H.  
 McClymont, Alex.  
 Moore, John  
 McPhail, Wm. L.  
 Michael, Lewis D.  
 McCollam, Daniel

Martin, Henry T.  
 McNally, Henry  
 Mulliken, Chas. E.  
 Myer, Frederick  
 Makibbin, Thos. A.  
 Maitland, B. Jr  
 Morling, F. L.  
 McClenahan, Robert  
 Metzger, Franklin  
 Mitchell, John J.  
 McBride, Henry  
 McCurley, Isaac  
 Mowbray, James H.  
 Myers, John  
 Magers, John M.  
 Moffitt, Edwin W.  
 Myer, C. A.  
 McClintock, John A.  
 Mitchell, A. David  
 Mortimer, E. L.  
 Martin, George A.  
 Meads, J. H.  
 Mitchell, Wm.  
 Maitland, Burgin  
 Millholland, Thos. T.  
 McKenna, James  
 Maynard, G. W.  
 Mass, E. A.  
 Manson, John  
 Mitchell, James T.  
 Mitchell, R. M.  
 Mabel, Wm. F.  
 Maloney, James  
 Miller, George W.  
 Moxley Thomas D.  
 Murphy, Francis P.  
 McKeever, James B.  
 Myers, Daniel A.  
 McLennen, W. F.  
 Maidwell, Wm. H.  
 Miller, Wm. H.  
 Moreton, Alfred  
 Miller, Edward J.  
 Miller, Benjamin F.  
 Maffei, Angelo  
 Mason, Wm. A.  
 Milliken, Wm. H.  
 Miller, Adolphus H.  
 Mott, James, Jr.  
 Murray, Wm.  
 Mason, Thos. M.  
 McComas J. L.  
 Maughlin, James  
 Most, John T.  
 Miles, H. C.  
 Mattingly, John F.  
 Miller, David R.  
 Miles, Charles M.

Miller, William C.  
 McLaughlin, Daniel  
 Mitchell, Thomas J.  
 Medinger, H. G.  
 McMillan, Wm. D.  
 Minifie, Wm. Ernest  
 McKewen, T. F.  
 Major, John R.  
 Mitchell, Alexander  
 McKewen, Thomas  
 McKubbin, Wm. L.  
 McWilliams, John  
 McGreoy, Solomon  
 Morton, George C.  
 McManus, Daniel  
 Merriken, Francis M.  
 Moss, Livingston  
 Maguire, J. L.  
 Mayer, James  
 McClure, Wm.  
 Moody, Wm.  
 McCleery, R. W.  
 Martin, Luther R.  
 McGraw, J. R.  
 Michael, Augustus  
 Morris, Levin  
 Milburn, John  
 Mansfield, James T.  
 Miller, John  
 Maxwell, David  
 McGarretty, B. W.  
 McGee, J. W.  
 Muirhead, Wm.  
 McClintock, John  
 Middlemore, Saml. S.  
 McCahan, G. L.  
 Murray, Edward  
 Milborn, James R.  
 Mathew, Richard J.  
 McDonald, D. H.  
 Moreland, George  
 Mitchell, John N.  
 Mathews, Hinckle  
 Marcellus, C. M. W.  
 Maulsby, P. H.  
 Muller, James N. Jr.  
 McCartney, R. H.  
 Mason, Charles H.  
 Mortimer, George E.  
 Magruder, R.  
 Miller, Edward D.  
 Martin, R. T.  
 Mason, Henry  
 McEroy, M.  
 Moltz, Henry  
 McElroy, Wm. D.  
 Marden, Jesse, Jr.  
 Marden, George W.

Maxwell, Wm.  
 Mathews, Thomas  
 Myers, Augustus G.  
 Meredith, Daniel  
 Mattison, S. J.  
 Morrison James H.  
 McLaughlin, George  
 Miller, Allen  
 McCauley, William  
 Morrison, L.  
 McAleer, Charles  
 Mass, William  
 McKewen, Francis  
 Morse A. C.  
 Merryman, Henry N.  
 McBriety, Wm. G.  
 McManus, Felix S.  
 McCaffray, Henry  
 McCaffray, George  
 Mayer, Alfred M.  
 Mattingly, Joseph A.  
 McDonald, James  
 McLean, Thomas B.  
 Moale, Frederick  
 McSherry, James W.  
 Merker, Wm. A.  
 Miller, John M.  
 McClenahan, J. M.  
 McLaughlin, Andrew  
 McCarty, Patrick  
 McCoy, Wm. E. S.  
 Murphy, Edward  
 McAleese, James  
 Mister, W. C.  
 Muller, D. H.  
 Moore, Joseph  
 Moore, George  
 Mathiot, James H.

## N Senior Members.

Needles, John  
 Ninde, Col. Jas. C.  
 Nalls, B. F.  
 Nichols, Warren  
 Needles, Chas. E.  
 Norris, James  
 Nizer, Thos. A.  
 Newell, Peter  
 Newman, Wm. W.  
 Northerman, John  
 Nogues, Joseph  
 Norbeck, Wm.  
 Naylor, A. J.  
 Norman, J. R.  
 Neilson, George  
 Nicholls, R. H.

Neal, Geo. H. C.  
 Northerman, C.  
 Nichols, Wm. J.  
 Nicolay, Jules

### Junior Members.

Nicholson, C. G.  
 Nicholson, J. H. R.  
 Newlin, Allen H.  
 Nicholson, J. K.  
 Neidhamer, John G.  
 Nolen, John  
 Nixdorff, Harrison  
 Newman, Benj.  
 Needham, Asa Jr.  
 Navy, George W.  
 Nicolai, Henry A.  
 Norman, Joseph  
 Nizer, Saml. H. Jr.  
 Nutling, Henry N.  
 Nail, George  
 Noggla, James  
 Nolen, Watson  
 Newman, Geo. L.  
 Noyes, Edward  
 Norris, Edgar J.  
 Nicholson, Jas. A. K.  
 Noble, Henry  
 Nicholson, James  
 Needhamer, Wm.  
 Norris, John C.

### O.

### Senior Members.

O'Donnovan, J. H. Jr.  
 Orrick, John C.  
 Orrick, Edward G.  
 Oettinger, Moses  
 O'Brien, Mathew  
 Owens, James  
 Orndorff, John H.  
 Onion, Edward D.

### Junior Members.

Oberndorf, Julius  
 Oldham, Joseph D.  
 Ogle, James  
 O'Laughlin, S. W.  
 Otter, Joseph  
 Osburn, Henry  
 Oliver, Joseph L.  
 Orrick, Wm. K. Jr.  
 Orrick, Keener  
 Ould, Perry  
 O'Laughlin, Michael

O'Leary, William  
 Owens, Thomas  
 O'Conner, John  
 O'Neill, Henry  
 Onion, J. H.  
 O'Neal, Thomas  
 Osborn, Joseph  
 O'Brien, Michael  
 O'Connor, Paul  
 Orndorff, Wilson H.

### P.

### Senior Members.

Penrose, E. G.  
 Pearson, Henry  
 Proctor, S. T.  
 Prentice, Sumner  
 Plummer, John F.  
 Pope, George A.  
 Price, N. C.  
 Peregoy, Caleb  
 Perkins, Dr. E. H.  
 Perry, Elijah  
 Perine, Maulden  
 Perine, M. David  
 Prettyman, E. P.  
 Perry, Albert A.  
 Porter, R. B.  
 Pennington, Josiah  
 Pyfer, Philip H.  
 Peregoy, Robert H.  
 Parks, James H.  
 Parkenson, J. B.  
 Perry, B. A.  
 Patten, Wm. Jr.  
 Phippen, George, Jr.  
 Pouder, George W.  
 Peregoy, John H. W.  
 Powell, Charles R.  
 Phoenix, Thomas  
 \* Perry, Allen A.  
 Patterson, Thomas  
 Posey, J. P.  
 Phillips, A.  
 Phelps, J. B. T.  
 Parkhurst, S.  
 Parkhurst, G. T.  
 Pearce, G. H.  
 Price, John H.  
 Porter, George U.  
 Preston, Wm. P.  
 Phillips, John B.  
 Packie, Alexander  
 Perine, Oliver  
 Pitt, Thomas J.  
 Perkins, P. L.

Parks, Lloyd B.  
 Palmer, B. Frank  
 Percell, John J.  
 Parr, James L.  
 Pollock, H.  
 Parkhurst, J.  
 Peters, William  
 Poole, Robert  
 Pope, Franklin F.  
 Phillips, Solomon H.  
 Payne, James  
 Placide, Henry  
 Peters, William H.  
 Palmer, George M.  
 Piet, J. B.  
 Purden, Fergus.  
 Primrose, Wm. G.  
 Potter, James  
 Page, William  
 Patten, Richard  
 Picker, John C.  
 Palmer, Wm. C.

### Junior Members.

Pollack, Herman  
 Pollack, Uriah A.  
 Plummer, Wm. James  
 Patterson, Benjamin  
 Price, Frank  
 Page, Albert C.  
 Price, Francis A.  
 Patrick, B. F.  
 Pitt, William T.  
 Purdy, Wm. H.  
 Price, Norman  
 Parker, Edward G.  
 Powell, Wm. H.  
 Parrish, Lewis E.  
 Placide, Henry F.  
 Pope, David S.  
 Pope, Daniel F.  
 Passano, Leonard, Jr.  
 Passano, Joseph  
 Peerce, Alfred A.  
 Pindle, E. A.  
 Perry, Elliott  
 Perry, Leonard B.  
 Ploughman, Augustus  
 Park, Joseph L.  
 Pearce, James H.  
 Perine, T. P.  
 Perine, John Thomas  
 Powell, Thomas M.  
 Petherbridge, Wm.  
 Patten, Charles  
 Perry, Ansel  
 Phelan, James

Pentz, A. P.  
 Presstman, Thomas R.  
 Padget, Robert  
 Post, E. Howard  
 Piper, John  
 Plummer, Nathan  
 Porter, B. B.  
 Palmer, Edward L.  
 Pierce, John C.  
 Patterson, John  
 Phillips, James H.  
 Preston, Wm. G.  
 Parran, James  
 Purvis, A.  
 Pendergast, C. C.  
 Pentz, James M.  
 Price, Alfred A.  
 Park, Samuel S.  
 Phillips, Thos. N. S.  
 Pamphillain, James  
 Pedrick, George  
 Price, Richard  
 Peck, A. J.  
 Price, A. D.  
 Phelps, D. W.  
 Penniman, Thomas  
 Placide, H. B.  
 Poe, Nelson, Jr.  
 Placide, Paul D.  
 Phillips, James  
 Parkhurst D.  
 Poole, Henry  
 Pitt, C.  
 Phillips, B. F.  
 Price, A. H.  
 Phillips, James B.  
 Pearce, Mathew C. Jr.  
 Paul, Jennings  
 Paine, Leander  
 Parkhurst, A. R.

## Q.

### Senior Members.

Quail, George K.

### JUNIOR MEMBERS.

Quail, Robert R.  
 Quinlin, L. G. Jr.

## R.

### Senior Members.

Rogers, James S.  
 Robbins, H. R.

Reddish, John H.  
 Rennous, Edward G.  
 Rhoads, W.  
 Rupp, Reuben F.  
 Rose, S. L.  
 Rupp, Wm. H.  
 Rains, Charles H.  
 Reip, Lawrence J.  
 Rodenmayer, F. T.  
 Robinson, E. W.  
 Reese, Edward  
 Roberts, Alfred  
 Roberts, J. McClain  
 Rust, L.  
 Roulett, Richard  
 Reynolds, V. DeWit C.  
 Richardson, Geo. J.  
 Ryan, John  
 Reynolds, Jesse K.  
 Richardson, Edwd. A.  
 Reed, R. W.  
 Ringrose, C. J.  
 Rigney, Charles D.  
 Richardson, Wm. E.  
 Roche, John A.  
 Reese, Andrew  
 Reese, Henry  
 Rogers, Wm. F.  
 Rieneker, J. F.  
 Reese, Thomas M.  
 Rohrer, M. H.  
 Rosenfeld, Simon  
 Rodgers, John  
 Rodgers, William  
 Rodgers, G. H.  
 Richardson, S. McD.  
 Randolph, James P.  
 Reynolds, B. R.  
 Rothell, Thomas  
 Reindollar, J. T.  
 Roberts, H. T.  
 Redgrave, Wm. B.  
 Richards, Isaac  
 Robb, John A.  
 Robb, E. T.  
 Rowe, Spencer  
 Reynolds, Charles A.  
 Rea, John E.  
 Rea, Charles H.  
 Ringgold, John P.  
 Root, Henry R.  
 Rosensteel, Ambrose  
 Richardson, John W.  
 Ross, Charles H.  
 Ross, Edward C.  
 Richardson, James W.  
 Russell, John  
 Robinson, Thomas H.

Rosenswig, E.  
 Randolph, John W.  
 Robinson, Benjamin  
 Rogers, G. D.  
 Robb, James A.  
 Roberts, Dr. G. C. M.  
 Russell, Alexander  
 Robinson, William  
 Robinson, Francis  
 Rogers, Evans  
 Reeder, Charles, Jr.  
 Reitz, Philip  
 Robb, John A. Jr.  
 Rooney, Patrick  
 Rhodes, Henry  
 Rencher, William  
 Robins, Benjamin  
 Raymo, Lewis  
 Rhein, Josiah G.  
 Russell, Michael  
 Roche, Michael  
 Roney, John  
 Russell, John A.  
 Robinson, Charles  
 Richardson, Wm. H.  
 Ring, David  
 Roberts, Joseph  
 Rush, Thos. Jefferson  
 Remly, George W.  
 Reed, Edward W.  
 Ropes, Archer  
 Rowe, Joseph  
 Rothwell, Elijah  
 Reaside, Miss Mary A.

### Junior Members.

Raborg, Christopher  
 Reeves, Joseph F. Jr.  
 Roche, C. H.  
 Rutter, Robert H.  
 Reilley, Robert M.  
 Rich, Wm.  
 Reifsnider, Wm. E.  
 Reip, Joseph Henry  
 Remare, Richard A.  
 Readell, C. W. D.  
 Richstein, William  
 Reitz, Lewis H.  
 Ramsey, John  
 Robinson, John G.  
 Retan, Charles P.  
 Robinson, James  
 Reitz, Wm. H. L.  
 Ruff, John P.  
 Rasin, Robert W. L.  
 Rasin, Alfred R.  
 Robins, Augustus

Ricketts, Charles  
 Roach, George J. Jr.  
 Ryan, John J.  
 Rowe, Joseph T.  
 Roszel, S. George  
 Redding, Wm. H.  
 Richardson, F. A.  
 Reifsnider, John R.  
 Richardson, Geo. T.  
 Richardson, Wm.  
 Ross, Wm. W.  
 Reynolds, Wm. G.  
 Richardson, Chas. M.  
 Reese, J. E. Jr.  
 Richardson, Jas. P.  
 Rutter, Thos. C.  
 Reilly, Wm. P.  
 Raymo, Chas. M.  
 Ross, Wm. E. Wyatt  
 Rothrock, Joseph  
 Rhodes, John F.  
 Robinson, S. W.  
 Rozel, D. B.  
 Reynolds, Samuel  
 Royston, E. B.  
 Robinson, J. G.  
 Richardson, J. O.  
 Ryan, Peirce  
 Royston, John W.  
 Rhodes, George R.  
 Reese, Henry D.  
 Redgrave, Samuel T.  
 Rose, Chas. H.  
 Roberts, George R.  
 Ruth, Joseph  
 Reynolds, John  
 Reed, Nelson S.  
 Ross, John W.  
 Reynolds, James A.  
 Ricketts, Thomas  
 Richard, Thomas S.  
 Ridgeway, James  
 Richem, Henry  
 Ringgold, C. F.  
 Reese, Joshua, Jr.  
 Rooker, Josiah O.  
 Reilly, Francis  
 Royston, Joshua D.  
 Reese, Daniel W.  
 Riordon, John  
 Robinson, E. P.  
 Rodewald, Frederick  
 Ray, Nicholas B.  
 Robinson, James  
 Reynolds, Wm. Henry  
 Radeche, Harman  
 Radeche, John  
 Rollins, F. H.  
 Reynolds, Joseph P.

Read, Edward  
**S.**  
**Senior members.**

Shephard, Moses  
 Simpson, James T.  
 Sanders, Beverly  
 Stevens, Robert A.  
 Shultz, Samuel  
 Smith, Charles R.  
 Sylvester, Thomas H.  
 Sanders, Robert T.  
 Startzman, David  
 Saunders, J. Mowton  
 Simms, Joseph  
 Stuart, Glendy  
 Sharer, Wm. G.  
 Stauf, Henry  
 Sutton, James L.  
 Shaw, Mathew  
 Summerlock, John F.  
 Shoemaker, W. S.  
 Smith, Dr. Gideon B.  
 Stubbs, Edmund H.  
 Scott, John Thomas  
 Savage, Joseph R.  
 Snow, E. J.  
 Shakespeare, Edwd.  
 Sweany, John H.  
 Steiner, Dr. L. H.  
 Smyth, Wm.  
 Smith, R. H.  
 Small, William H.  
 Sherwood, Wm. S.  
 Selby, John S.  
 Smyth, William  
 Sheets, James M.  
 Stow, Thomas  
 Shipley, Charles L.  
 Sumwalt, A. W.  
 Smith, Wm. Prescott  
 Street, Thomas  
 Slater, James  
 Seyler, Frederick  
 Shaw, Wm. S.  
 Streeter, J. F.  
 Stewart, J. V. D.  
 Stellman, John  
 Stinchcomb, John A.  
 Smith, J. Christian  
 Schaeffer, Geo. A.  
 Starr, B. F.  
 Stabler, Edward H.  
 Stockbridge, Jason  
 Strohmenger, John  
 Smith, George  
 Spilman, Henry  
 Shannon, J. P.  
 Shipley, L. G.

Street, J. C.  
 Showacre, H. C.  
 Stewart, Henry D.  
 Schofield, B.  
 Slicer, Henry W.  
 Simpson, Wm. A.  
 Stokes, Wm. B.  
 Slack, Wm. B.  
 Sauerhoff, G. T.  
 Schwatka, Charles A.  
 Sullivan, John C.  
 Sprague, E. R.  
 Stewart, Charles J.  
 Stinchcomb, Wm. W.  
 Stewart, Thomas  
 Suter, James S.  
 Simpson, John R.  
 Stevens, George G.  
 Sandys, Edwin  
 Shakespeare, B. F.  
 Smyser, Henry C.  
 Spedden, G. A.  
 Shultz, A.  
 Slack, John  
 Schultz, E.  
 Sparklin, B. J.  
 Shaeffer, Frederick L.  
 Simpson, Geo. B.  
 Stevens, William  
 Staigerwald, Myer  
 Smith, G. D.  
 Starr, Wm. M.  
 Stockton, Rev. T. H.  
 Stewart, Joseph W.  
 Smith, Samuel, Jr.  
 Smith, J. Irwin  
 Shipley, Charles E.  
 Stewart, George  
 Spencer, Jervis  
 Stansbury, Elijah  
 Schuller, J. A.  
 Soper, Samuel J.  
 Spilman, A. B.  
 Sherwood, Richard  
 Sanders, Wm. A.  
 Shoemaker, Jonathan  
 Segers, Francis  
 Spedden, Major Edwd.  
 Sheets, George T.  
 Spies, John G.  
 Shurtz, W. D.  
 Scribner, J.  
 Seeger, Jacob  
 Stabler, Francis  
 Slaughter, James C.  
 Sitler, Morris  
 Shanks, Thomas  
 Sloan, James  
 Sharp, A. P.

Slaney, John M. Sr.  
 Slaney, John M. Jr.  
 Sarsfield, S. J.  
 Shipley, L. velace  
 Sharp, S. J.  
 Summers, Joseph G.  
 Sank, Joseph H.  
 Stran, Wm. H.  
 Sparhawk, S.  
 Schoolfield, L. A.  
 Smith, Henry C.  
 Stanley, John  
 Slade, Edward  
 Smith, Thomas T.  
 Smith, Henry M.  
 Searley, Charles R.  
 Shoemaker, S. M.  
 Starr, Joseph  
 Swift, M. C.  
 Short, John H.  
 Steifel, Julius  
 Stone, James H.  
 Spies, Charles L.  
 Stewart, John  
 Super, Daniel  
 Stewart, W. A.  
 Schwartz, Julius  
 Stewart, Wm. C.  
 Sehmayer, S.  
 Summer, John S.  
 Sloan, George F.  
 Snow, E. J.  
 Slicer, Wm.  
 Slade, James  
 Stromberg, John Hy.  
 Small, John Henry  
 Siarr, W. G.  
 Stone, James H. of H.  
 Simmonds, Dennis  
 Stinehofer, Christian  
 Spencer, Compton  
 Sank, Joseph W.  
 Stouffer, Jacob  
 Scott, Eli  
 Spilker, Wm. H.  
 Stites, Dr. William

#### Junior Members.

Stevenson, Wm. W.  
 Stephens, J. E.  
 Schmidt, Jacob  
 Savage, Charles E.  
 Swoyer, Frederick  
 Swoyer, Samuel  
 Snyder, Daniel  
 Simon, August

Snavely, Joseph  
 Simonson, Wm. C.  
 Swain, Wm. H.  
 Snyder, John M.  
 Spencer, Oliver J.  
 Sylvester, Edward C.  
 Stine, Wm. W.  
 Sparl, John Henry  
 Schnibbe George  
 Schultz, L. H.  
 Sauerwein, Chas. D.  
 Stallings, Wm. H.  
 Smith, John D.  
 Street, Edwin A.  
 St. John, James  
 Shaw, Samuel T.  
 Stewart, John M.  
 Stauff, Charles  
 Sitler, Morris, Jr.  
 Sumner, W. Henry  
 Shane, William  
 Shaw, Marshall G.  
 Scherar, Frederick  
 Sanderson, F. Henry  
 Sparhawk, John J.  
 Skillman, George  
 Sullivan, T. E.  
 Sollers, Wm.  
 Shoemaker, Wm.  
 Stewart, J. S.  
 Shutz, Christopher  
 Steer, Lewis W.  
 Super, Wm. H.  
 Sutton, Maltier  
 Shaw, James V.  
 Spear, P. Forney  
 Spear, James Otis  
 Stevens, S. A.  
 Stevens, Charles B.  
 Scott, Joseph P.  
 Spedden, Oliver W.  
 Shoemaker, E. B. S.  
 Smith, Frederick C.  
 Shryock, Wm. H.  
 Simpson, George L.  
 Southerland, Geo. A.  
 Shehan, George A.  
 Stewart, Ebenezer  
 Stewart, Charles  
 Simpson, Robert  
 Savin, Marcus D.  
 Schoolfield, Wm. H.  
 Seibert, Edward  
 Schwartzhaupt, C.  
 Smith, J. Stewart  
 Schenner, John Hy.  
 Schwartz, A. F.  
 Savage, John W.

Stewart, Albert V.  
 Sweeney, Lewis D.  
 Slicer, Philip M.  
 Sharp, Charles E.  
 Stewart, John M.  
 Snyder, Walter  
 Smith, Wm. F.  
 Smith, John T.  
 Stapleton, Edward  
 Stubbs, Richard B.  
 Staylor, George W.  
 Stephens, Thos. M.  
 Stinchcomb, Joshua  
 Sudman, Hy.  
 Sewell, Charles A.  
 Sadtler, C. C.  
 Smith, Wm. P. of S.A.  
 Sauerhoff, F. O.  
 Stran, Richard B.  
 Shipley, B. E.  
 Shanley, John J.  
 Sheckells, Charles  
 Stalford, John H.  
 Sherwood, James H.  
 Stemmer, Lewis E.  
 Searley, Jas. E. Jr.  
 Shamer, Theodore  
 Stow, Lewis S.  
 Shipley, Francis L.  
 Smith, Henry  
 Secombe, Edward, Jr.  
 Sturgenon, Henry D.  
 Stembler, J. A.  
 Schoolfield, Geo. A.  
 Schoolfield, L. H.  
 Setlen, Daniel  
 Stauff, Alexander  
 Stoane, J. F.  
 Shannon, William  
 Sumwalt, Henry W.  
 Seidenstricker, A. B.  
 Smoot, Albert  
 Sutton, S.  
 Stevenson, H. S.  
 Slofer, Frederick  
 Skinner, John C.  
 Sparhawk, Saml. H.  
 Snead, Robert  
 Shorey, Wm. F.  
 Spencer, Thos. M.  
 Steinhofner, Christian  
 Stow, Charles  
 Stuntz, Charles  
 Small, Bruce  
 Scott, G. L.  
 Sloan, Wm. J.  
 Sanders, Frank  
 Shanley, Joseph

Scott, Wm. G.  
 Straw, Frederick  
 Sentz, George P.  
 Scott, James J.  
 Seidenstricker, Hy. A.  
 Simon, Frederick W.  
 Stith, W. W.  
 Scott, L. C.  
 Smithson, James  
 Suter, James W.  
 Sutherland, John M.  
 Stewart, Wm. Brewer  
 Sunderland, Chas. H.  
 Scotti, P.  
 Shell, James H.  
 Sinclair, Wm.  
 Slinkman, John H.  
 Stewart, C. H.  
 Snyder, James S.  
 Spencer, Wm.  
 Slaughter, J. G.  
 Slaughter, Wm.  
 Shorey, N. B.  
 Smadley, Wm. L.  
 Sheck, Adolphus  
 Staylor, Lewis  
 Spear, H. G.  
 Shipley, F. M.  
 Stewart, James S.  
 Street, Isaac  
 Sickel, Edward  
 Strohm, H. F.  
 Starr, John, Jr.  
 Stone, Charles H.  
 Stack, Garrett  
 Siehle, Jacob, Jr.  
 Sloan, James  
 Simpson, Theodore  
 Smith, Elijah B.  
 Sellman, H. D.  
 Sawkins, Frederick  
 Selby, Nicholas R.  
 Selby, Joseph  
 Sanders, John  
 Smith, Thomas H.  
 Sultzter, Wm. H. H.  
 Spedden, Edward  
 Starr, E. G.  
 Sanders, John M.  
 Scott, James S.  
 Smith, Wm. S.  
 Skinner, Wm.  
 Sloan, Chas. H.  
 Sapp, Jacob H.  
 Stewart, Jas. C.  
 Sankin, A. H.  
 Simms, George  
 Slade, F.  
 Stieff, Chas.

Stoops, Wm. H.  
 Spence, James C.  
 Slater, W. H.  
 Smoot, Wm.  
 Stokeley, Wm.  
 Starr, Wm. H.  
 Simpson, Thos. B.  
 Sanders, Geo. W.  
 Supplee, Wilbur F.  
 Stier, Upton  
 Sharp, George, Jr.  
 Sanders, George W.  
 Stansbury, J. W.  
 Shultz, Frederick  
 Skinner, G. H.  
 Sturman, J. F.  
 Simpson, R. B.  
 Slicer, Chas. H.  
 Scott, John W.  
 Sands, Joseph E.  
 Shaffer, Augustus  
 Stevenson, Chas. C.  
 Scarff, G. W.  
 Smull, Jacob B.  
 Stockes, John R.  
 Scarff, Wm. Thomas

## T

### Senior Members.

Thayer, N. H.  
 Timanus, John T.  
 Thomas, H. Mifflin  
 Tischmeyer, L.  
 Taylor, Wm. S.  
 Tennant, Thomas  
 Thurston, D. T.  
 Taylor, George  
 Thompson, Capt. H.A.  
 Tysinger, Lewis  
 Tyson, J. P.  
 Tewksbury, Geo. D.  
 Thomas, John  
 Trimble, Jas. M.  
 Torney, Leonard J.  
 Toland, Wm.  
 Townsend, Samuel  
 Taylor, H. W.  
 Thomas, Jas. P.  
 Tall, Washington  
 Tall, Wm.  
 Thomas, Philip F. Jr.  
 Taylor, Samuel G.  
 Turner, Joseph  
 Trego, Wm.  
 Thomas, John F.  
 Turner, Chas.  
 Tillyard, Alfred H.

Trump, Chas. M.  
 Tyler, G. K.  
 Taylor, G. W.  
 Trotton, Thomas  
 Taylor, Henry  
 Taylor, Levi  
 Trimble, David B.  
 Towson, J. T.  
 Taylor, R. Q.  
 Titcumb, B.  
 Thomas, Wm. G.  
 Turner, John C.  
 Tustin, Wm.  
 Tanner, Benjamin  
 Trump, C.  
 Thomas, J. S.  
 Tegmyer, John H.  
 Tull, Thos. J.  
 Thompson, Arthur D.  
 Turner, Robert  
 Thomas, Joseph A.  
 Thomas, Joseph B.  
 Thomas, Dr. John C.  
 Tabb, J. T. W.  
 Trought, John T.  
 Turner, John M.  
 Thomas, Dr. R. H.  
 Trump, Newbold C.  
 Tyler, G. C.  
 Torney, P. J.  
 Thorpe, W. W.  
 Tyson, George  
 Taylor, Wm.  
 Talbott, W. M.  
 Thompson, Thos. J.  
 Tongue, S. D.  
 Turner, Thos. V.  
 Taylor, Robert  
 Tansby, Thomas  
 Towson, Obediah

### Junior Members.

Torney, John H.  
 Torney, Edward C.  
 Turner, Wm. L.  
 Tucker, Joseph, Jr.  
 Taylor, Jas. Jr.  
 Thomas, Samuel W.  
 Thomas, Edwd. C. Jr.  
 Torney, G. W.  
 Townsend, Joseph C.  
 Tyson, Joshua H.  
 Thomas, Saml. Drew  
 Thomas, R. P.  
 Thompson, Joseph, Jr.  
 Thomas, Lawrence A.  
 Townsend, L. W.  
 Taylor, Major S.

Tyler, John A.  
 Tyler, Joseph  
 Trull, George, Jr.  
 Tyler, Wm. S.  
 Terral, James  
 Thomas, Wm.  
 Taylor, Howard  
 Tewksbury, Chas. S.  
 Teal, Jas. R.  
 Tull, Wm. T.  
 Thompson, G. Z.  
 Trego, John  
 Tilyard, John P.  
 Tilghman, Wm.  
 Thompson, Geo. B.  
 Thompson, Alfred W.  
 Thomas, Richard  
 Thater, Philip  
 Thomas, Wm. Henry  
 Tucker, Samuel T.  
 Toner, George W.  
 Thiemyer, Lewis  
 Taylor, Wm. H.  
 Taylor, T. L.  
 Thomas, Samuel  
 Tripp, Andrew C.  
 Truitt, David J. O.  
 Trilley, Joseph  
 Tyler, Daniel  
 Trayser, Philip S.  
 Taylor, James  
 Todd, John  
 Tyler, George T.  
 Tyler, Chas.  
 Thomas, Philip E. Jr.  
 Twilly, Henry C.  
 Trotton, Ferdinand  
 Thompson, John A. Jr.  
 Tipton, Joshua A.  
 Tucker, George W.  
 Travers, Thos. B.  
 Turner, Jas. B.  
 Taylor, John  
 Tudor, G. R.  
 Tucker, Jas. Hugh  
 Turner, Geo. W.  
 Taylor, Wm. H.  
 Trimble, Robert M.  
 Thomas, Joseph B. Jr.  
 Treulieb, Peter  
 Tydings, R. E.  
 Tibbals, Walter B.  
 Thomas, Wm. H.

## U

### Senior Members.

Upshur, James M.

Uhler, Erasmus

### Junior Members.

Ubert, John P.  
 Uhlhorn, F. A.  
 Uhlhorn, J. H. K.

## V

### Senior Members.

Verlander, Joseph  
 Vansant, Joshua  
 Volkmar, Charles  
 Vansant, Richard

### Junior Members.

Valentine, John  
 Vincente, Edward P.  
 Vogt, Frederick  
 Vinson, S. J.  
 Volkmar, Chas. Jr.  
 Vinson, Geo. H.  
 Vickery, Edward  
 Vallette, G. E.  
 Vansant, Joseph  
 Voneiff, John  
 Vanness, John J.  
 Vogt, John H.

## W

### Senior Members.

Watson, James  
 Wilkins, William  
 Willis, B. F.  
 Wolf, Jacob  
 Wise, R. J. S.  
 Wetherald, Thos.  
 Warner, A. W.  
 Winter, Wm. P.  
 Weitzell, John  
 Watson, Jas. T.  
 Wallace, Wm. A.  
 Warren, E. B.  
 Wyatt, J. G.  
 Weishampel, J. F. Jr.  
 Williams, G. A.  
 Wilson, Wm. H.  
 Wheeler, J. Columbus  
 Woodward, Jas. G.  
 Ward, James  
 Watkins, Joseph P.  
 Webb, James  
 Webb, Albert L.  
 Waugh, A. T.

Wolf, Adam  
 Wilson, John H.  
 Wilson, Saml.  
 Wheeler, Darius  
 Wonderly, John  
 Williams, W. J.  
 Wentz, Saml. H.  
 Walker, J. W.  
 Webb, Geo. D.  
 White, Wm. G.  
 Wright, John W.  
 Welsh, Alexander  
 Wylie, Jas. H.  
 Wallace, Geo. F.  
 Williamson, Angus  
 Winn, John T.  
 Weaver, John H.  
 Wilson, James  
 Wince, Daniel  
 Wheeler, D. A.  
 Welsh, J. B.  
 Warner, Andrew Sr.  
 Watson, Wm. H.  
 Woodward, John H.  
 Watkins, Evans  
 Williams, N. F.  
 Woodworth, F.  
 Wilkins, Bartus  
 Webb, Geo. W.  
 Winchester, S. G.  
 Woodward, Wm.  
 Waltham, C. S.  
 Waters, H. G.  
 Warden, James  
 Ward, William  
 Wright, Alfred  
 Woodside, Wm. S.  
 Wethered, John  
 Welsh, Mrs. John  
 Walker, Joseph  
 White, Thos. P.  
 Warden, Hugh  
 Winter, Samuel  
 Woodward, Geo. P.  
 Warner, A. E. Jr.  
 Walker, Wm.  
 Wilson, Thomas  
 Wheat, J. B.  
 Wethered, Chas. E.  
 Waite, R. C.  
 Walter, Geo. K.  
 Whitman, E.  
 Wier, Robert  
 Wood, James H.  
 Warford, R. C.  
 Wilson, J. Baynard  
 Worley, Adam  
 Watson, Charles  
 Walker, John M.  
 Waskey, Benjamin

Weitzell, Thomas  
 Woodward, D. A.  
 Wetherald, S. B.  
 Whittington, John  
 Williamson, C.  
 Wright, Joel  
 West, Charles  
 Washington, John  
 Witman, George  
 Warder, George A.  
 Welch, Warren  
 Whittney, Thos. M.  
 Webb, Chas. H.  
 Ward, Nathaniel  
 Walsh, Thomas  
 Watson, John H.  
 Wenkelman, H.  
 Wright, Daniel  
 Wilson, James B.  
 Webb, George  
 Wood, John P.  
 Williar, A. J.  
 Williams, Nathaniel  
 Ward, James R.  
 Williams, Wm.  
 Wells, Benjamin N.  
 Williams, H. S.  
 Wheeting, M. C.  
 Whitelock, W.  
 Wiler, Samuel

### Junior Members.

Wonderly, William  
 Wells, Clinton G.  
 Willis, William  
 Walsh, Wm. Geo.  
 Wilson, N.  
 Wenn, Geo. W.  
 Wagen-chwautz, F.  
 Wehrhame, Charles  
 Wiley, Alexander  
 Webster, Geo. H.  
 Wells, William H.  
 Whitehouse, James  
 Walsh, James  
 Warner, George T.  
 Williamson, James J.  
 Working, William  
 Wylie, Saml. S.  
 Wallace, Joseph H.  
 Wallace, Richard M.  
 Wain, Wm. L.  
 Williams, Edward  
 Waters, James K.  
 Watts, Nathaniel S.  
 Ward, John T.  
 Weber, Wm. F.

Weber, J. H.  
 Winn, William H.  
 West, George  
 Wilkinson, W. H. B.  
 West, William W.  
 Wheedon, Eugene  
 Ward, Wm. E.  
 Warfield, Lewis M.  
 Wheeler, Jerome  
 Woldman, John H.  
 Williams, A. A.  
 Whitelock, Saml. R.  
 Winchester, Oliver A.  
 Wilcox, Thomas J.  
 Wix, Henry  
 Webb, Chas. H.  
 Winn, Jas. Power  
 White, John S.  
 Warfield, Joseph  
 Wild, Lewis  
 Winneberger, John  
 Watts, Thomas D.  
 Webster, P. A.  
 Webb, Lewis S.  
 Wilson, Wm. T.  
 Wellener, Joseph W.  
 Wehn, Philip  
 Webb, John  
 Webb, Thomas N.  
 White, Robt. Wilson  
 Wharton, B. B. H.  
 Wheeden, James B.  
 Wheeden Thomas J.  
 Wentz, Charles  
 Welsh, Samuel  
 Warner, Wm. H.  
 Whitehead, James J.  
 Wolf, Alonzo L.  
 Wallace, James  
 Webb, George H.  
 Watkins, John M.  
 Wylie, George  
 Wible, J. T.  
 Warrington, Lewis  
 Ward, Joseph A.  
 White, John  
 Wilson, William  
 Woodward, Wm. Jr.  
 Wivel, William  
 Weaver, Charles  
 Williamson, S. J.  
 Wright, Charles E.  
 Wheeler, Chas. A.  
 Wheeden, Edward  
 Wells, Peter F.  
 Woodsides, Jas. L.  
 Williams, J. B.  
 Wherheim, J. Philip  
 Wells, Chas. Wesley

Watts, James B.  
 Walker, Geo. W.  
 Wilkison, Richard  
 Watkins, Wesley  
 Westwood, Wm. P.  
 Worley, William N.  
 Wingate, Saml. B.  
 Woodsides, Edward  
 Watts, Benjamin  
 Waters, Wm. J. H.  
 Weatherby, Charles  
 White, John Wm.  
 Wood, N. L. Jr.  
 White, Joseph  
 Warring, Thomas  
 Wedge, William S.  
 Waters, M. E.  
 Wright, John  
 Williamson, C. F.  
 Winsett, John R.  
 Watts, John M.  
 White, J. Chas.  
 Wilson, James Thos.  
 White, Greenbery  
 Woods, Robert  
 Ward, Wm. H.  
 Ward, Joseph  
 Webb, John T.  
 Wildey, Augustus  
 Ward, Ross  
 Wallace, Wm. S.  
 Weber, Henry  
 Wills, Joseph F.  
 Wilkens, Geo. Thos.  
 Wightman, Wm. T.  
 Watts, P. A.  
 Warfield, J. A.  
 Waters, C. E.  
 Wild, John F.  
 Wilson, Arch. Jr.  
 Wilson, Samuel  
 Walker, Noah D.  
 Walker, P. H.  
 Wagner, William  
 Wilkins, Edward  
 Wilson, Geo. W.  
 Williams, J. A.  
 Weems, George  
 Warfield, Thomas  
 Woolsey, Wm. B.  
 Wamaling, R. L.  
 Williams, William H.  
 Wales, James  
 Welner, E. L.  
 Ward, James E.  
 Wells, Wm. A.  
 Weems, John  
 Whitiridge, John A.  
 Waters, T. C. Sidney

Watkins, J. W. Jr.  
 Wentz, Henry C.  
 Walker, R. J. J.  
 West, Wm. H.  
 White, W. P. P.  
 Welmore, Edward H.  
 Wethered, L.  
 Wright, G. W. T.  
 Williams John of J.  
 Waite, Samuel R.  
 Wolf, Nicholas  
 Wonn, Alfred  
 Watkins, M. S.  
 Winter, Francis B.  
 Wilson, James M.  
 Weiss, Wm. Fredk.  
 Whitman, Lewis M.  
 Whitworth, Chas. W.  
 Wilbur, David C.  
 Wheeler, Joseph  
 Wetherby, J. E.

Wilkinson, Saml J.  
 Walter, James  
 Wild, George  
 Wright, James R.

## Y

### Senior Members.

Young, Wm. H.  
 Young, Joseph A.  
 Young, David  
 Young, James  
 Yates, Dr. John L.  
 Younger, Francis A.  
 Young, Wm. J.  
 Yager, A. J.  
 Young, Wm. G.  
 Young, H. H.  
 Young, John

Yarrington, John

### Junior Members.

Yoe, Benjamin R.  
 Young, Alexander Jr.  
 Yeatman, William

## Z

### Senior Members.

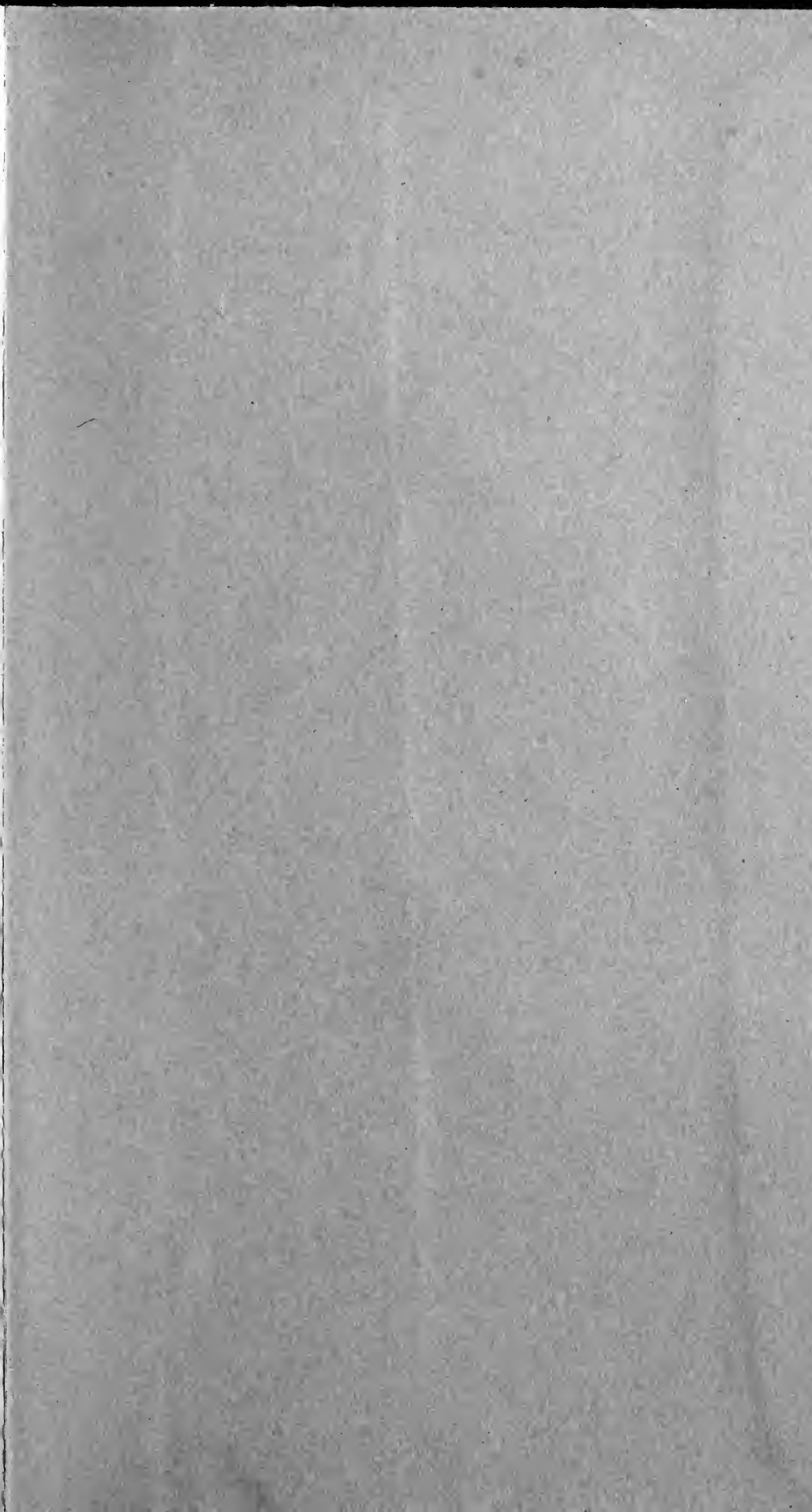
Zentmyer, W. C.  
 Zimmerman, Geo. J.  
 Zerkel, Charles

### Junior Members.

Zimmerman, Charles  
 Zimmerman, Wm. H.





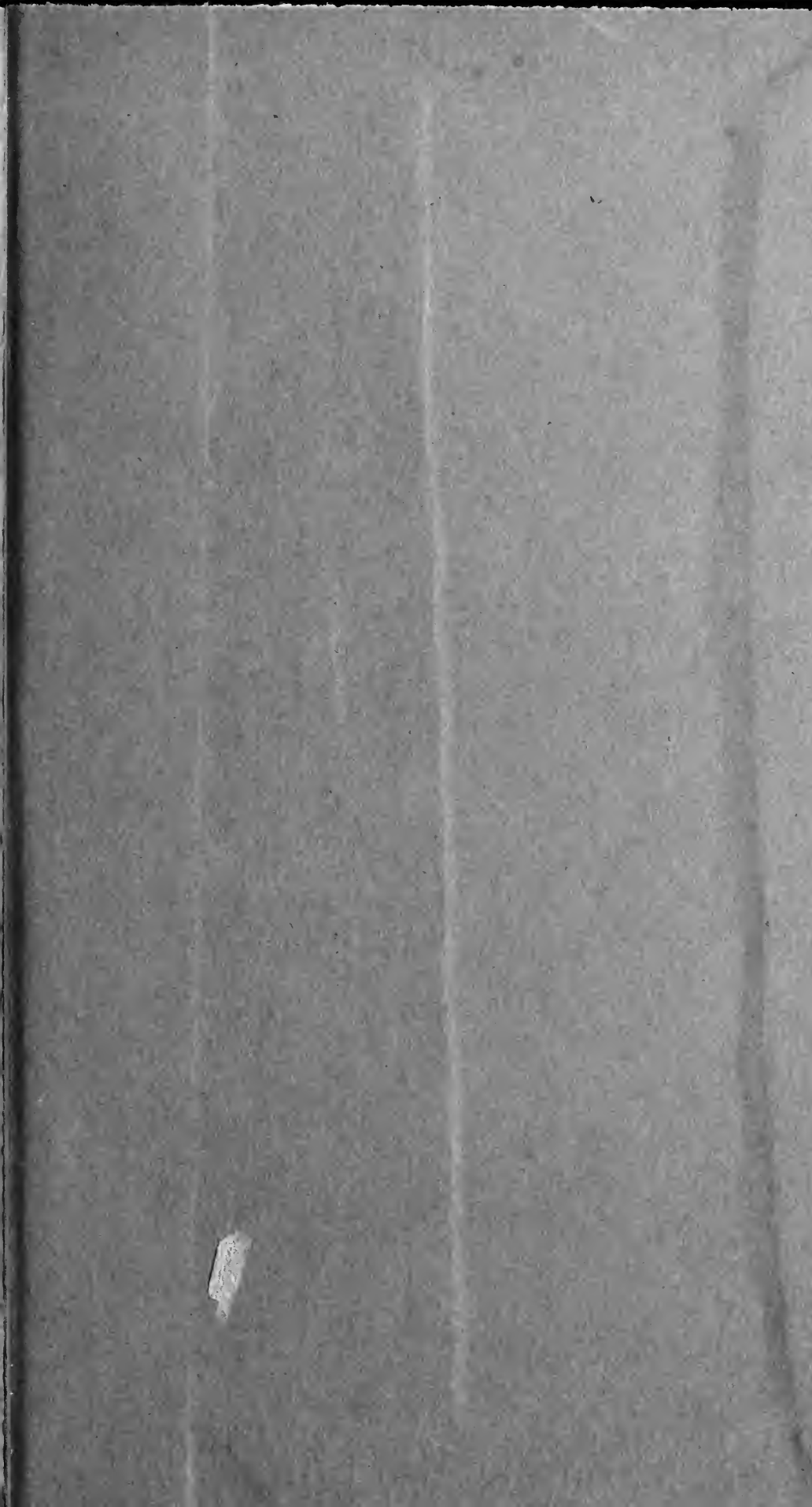


Deacidified using the Bookkeeper process.  
Neutralizing agent: Magnesium Oxide  
Treatment Date: July 2003

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